AASP African American Studies Winter 2015

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

WB11	Jason Nichols	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

WB11	Robert Choflet	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

AASP498I **Special Topics in Black Culture; Women and the Civil Rights Movement**

AASP498I Special Topics in Black Culture: Women and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST360 and WMST498M. Credit will be granted for one of the following: AASP498I, HIST360 or WMST498M.

WB11	Elsa Barkley Brown	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

AASP498R **Special Topics in Black Culture; Race and Sports**

AASP498R Special Topics in Black Culture: Race and Sports; (3 credits) Grade Method: REG/P-F/AUD.

WB11	Jonathan England	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AASP499D **Advanced Topics in Public Policy and the Black Community; Drawing the Colorline: Chocolate City and the Media**

AASP499D Advanced Topics in Public Policy and the Black Community: Drawing the Colorline: Chocolate City and the Media; (3 credits) Grade Method: REG/P-F/AUD.

WB11	Jonathan England	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AMSC Applied Mathematics & Scientific Computation — Winter 2015

AMSC698A **Advanced Topics in Applied Mathematics**

AMSC698A Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC762 **Data Analysis Project**

AMSC762 Data Analysis Project; (1 credit) Grade Method: REG.
This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Konstantina Trivisa	Seats (Total: 10)
	Contact instructor or department for details.	

AMSC899 **Doctoral Dissertation Research**

AMSC899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Winter 2015

AMST101 **Introduction American Studies**

AMST101 Introduction American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: AMST101 or AMST201. Formerly: AMST201.* Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

WB11	Daniel Greene	Seats (Total: 33)
	Class time/details on ELMs	ONLINE

AMST203 **Popular Culture in America**

Click here for descriptions of all AMST winter courses.

AMST203 Popular Culture in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.

An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society. An introduction to American popular culture, its historical development, and its role as a reflection of and influence onour culture and society. We will also examine historical and contemporary celebrity culture from various critical theoretical perspectives.

WB11	Terrance Wooten	Seats (Total: 33)
	Class time/details on ELMs	ONLINE

AMST205 **Material Aspects of American Life**

AMST205 Material Aspects of American Life; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.

Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

WB11	Jessica Walker	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

AMST328B **Perspectives on Identity and Culture; Internet and Social Media Cultures: Exploring Race, Class, Gender, and Sexuality**

AMST328B Perspectives on Identity and Culture: Internet and Social Media Cultures: Exploring Race, Class, Gender, and Sexuality; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.

WB11	Paul Saiedi	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ANSC Animal Science Winter 2015

ANSC386 **Experiential Learning**

ANSC386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F.
Prerequisite: Permission of AGNR-Animal & Avian Sciences department. Restriction: Junior standing or higher.

0101	Amy Burk Contact instructor or department for details.	Seats (Total: 10)
0118	Christine Hakenkamp Contact instructor or department for details.	Seats (Total: 10)

ANSC399 **Special Problems in Animal Science**

ANSC399 Special Problems in Animal Science; (1-2 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC497 **Animal Biotechnology Recombinant DNA Laboratory**

ANSC497 *(PermReq)* **Animal Biotechnology Recombinant DNA Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ANSC327; or students who have taken courses with comparable content may contact the department. Recommended: ANSC437 and ANSC435. An advanced course offering hands-on experience in performing recombinant DNA experiments. Current molecular biology techniques used for cloning genes, analyzing the gene products, and modifying the genes of animals will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory.

0101	Lisa Taneyhill MTuWThF 9:00am - 5:00pm	Seats (Total: 10) ANS 1150

ANSC688G **Special Topics; Animal Biotechnology Recombinant DNA Laboratory**

ANSC688G *(PermReq)* **Special Topics: Animal Biotechnology Recombinant DNA Laboratory; (3 credits)** Grade Method: REG/AUD.

0101	Lisa Taneyhill MTuWThF 9:00am - 5:00pm	Seats (Total: 10) ANS 1150

ANSC899 **Doctoral Dissertation Research**

ANSC899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Winter 2015

ANTH222 **Introduction to Ecological and Evolutionary Anthropology**

ANTH222 Introduction to Ecological and Evolutionary Anthropology; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab; Diversity - Understanding Plural Societies.
Credit only granted for: ANTH220 or ANTH222. An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.

HY11	Susan Steen	Seats (Total: 24)	
	MWF 10:00am - 12:30pm	WDS 1114	
	Class time/details on ELMs	ONLINE	
	TuTh 10:00am - 3:00pm	WDS 1114	Lab

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

WB11	Michael Buonanno	Seats (Total: 25)	
	Class time/details on ELMs	ONLINE	

ANTH263 **Sexuality and Culture**

ANTH263 Sexuality and Culture; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: ANTH298K or ANTH263. Formerly: ANTH298K. An overview of sexuality from an anthropological perspective, looking at aspects of sexuality within our own culture and in cultures around the world. Course topics include the biology and culture of sex, gender, physical attraction, sexual orientation, marriage and mating taboos, fertility control, sexually transmitted diseases, and commercial aspects of sex.

WB11	Elijah Edelman	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ANTH266 **Changing Climate, Changing Cultures**

ANTH266 Changing Climate, Changing Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Cultural Competency; Signature Courses - I-Series.
Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.

HY11	Katherine Johnson	Seats (Total: 25)
	MTuWThF 10:30am - 12:00pm	WDS 0104

ANTH298E **Anthropological Approaches to Sustainable Development**

ANTH298E Anthropological Approaches to Sustainable Development; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.

WB11	Melissa Stevens	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ANTH448D **Special Topics in Archaeology; GIS for Anthropologists**

ANTH448D Special Topics in Archaeology: GIS for Anthropologists; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

WB11	Lukus Monette	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH689A **Special Problems in Anthropology**

ANTH689A Special Problems in Anthropology; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689D **Special Problems in Anthropology; GIS for Anthropologists**

ANTH689D Special Problems in Anthropology: GIS for Anthropologists; (3 credits) Grade Method: REG/S-F.
Click here for more course information.

WB11	Lukus Monette	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH712 **Anthropology Internship Analysis**

ANTH712 Anthropology Internship Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: ANTH789.* The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

I301	Mark Leone	Seats (Total: 10)
	Contact instructor or department for details.	

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic — Winter 2015

ARAB341 **Filming War Zones: Representations of Wars in Iraq and Chechnya**

ARAB341 Filming War Zones: Representations of Wars in Iraq and Chechnya; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: FILM341. Credit only granted for: ARAB341 or FILM341. Comparative study of ideological and cultural discourses in war films covering military conflicts in Iraq and Chechnya in late 20th-early 21st centuries. Materials include American, Middle Eastern, and Russian feature films and documentaries; theories of propaganda, ideology and popular culture. Taught in English.

WB11	Valerie Anishchenkova	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ARCH Architecture — Winter 2015

ARCH678W **Selected Topics in Architecture**

ARCH678W Selected Topics in Architecture; (3 credits) Grade Method: REG/AUD.

WB11	Matthew Bell	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

ARCH799 **Master's Thesis Research**

ARCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.

0113	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

AREC Agricultural and Resource Economics — Winter 2015

AREC898 **Pre-Candidacy Research**

AREC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F.

0137	Anna Alberini	Seats (Total: 10)
	Contact instructor or department for details.	

ARHU Arts and Humanities — Winter 2015

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG/P-F/AUD.
Contact Instructor or department for details.

0101	Zahara Heckscher	Seats (Total: 2)
	Contact instructor or department for details.	

ARHU350 **Chilean Culture, Democracy, and Social Change**
Contact department for information to register for this course.

ARHU789A **Professional Development Practicum; Course Design**

ARHU789A Professional Development Practicum: Course Design; (1 credit) Grade Method: REG.
Graduate students will design an original 300-level or higher course based on their own expertise area, from conceptualization to complete syllabus and assessment.

0101	Alene Moyer	Seats (Total: 15)
	Meets January 5, 2015 - January 21, 2015	
	MW 4:00pm - 6:45pm	JMZ 2206

ARTH Art History & Archaeology Winter 2015

ARTH359B **Film as Art; Films of Quentin Tarantino**

ARTH359B Film as Art: Films of Quentin Tarantino; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf	Seats (Total: 30)
	MTuWTh 6:00pm - 9:30pm	SQH 1120

ARTH389S **Special Topics in Art History and Archaeology; A Brief History of the Self-Portrait: Renaissance to Contemporary**

ARTH389S Special Topics in Art History and Archaeology: A Brief History of the Self-Portrait: Renaissance to Contemporary; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine	Seats (Total: 30)
	MTuWTh 9:30am - 1:00pm	ASY 3203

ARTH389Y **Special Topics in Art History and Archaeology; Baroque Rome: Art, Architecture and Urban Splendor in the Eternal City, 1600-1700**
Contact department for information to register for this course.

ARTT Art Studio Winter 2015

ARTT110 **Elements of Drawing I**

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Students must pay a $40.00 studio lab fee.

0101	Matthew McLaughlin	Seats (Total: 18)
	MTuWThF 9:00am - 2:00pm	ASY 2317

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art. Field trips listed in syllabus.

0101	Richard Klank	Seats (Total: 15)
	MTuWThF 9:00am - 12:00pm	ASY 2309

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTT110.* Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 studio lab fee.

0101	Matthew McLaughlin MTuWThF 9:00am - 2:00pm	Seats (Total: 10) ASY 2317	

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to silkscreen printing. Students must pay a $40.00 studio lab fee.

0101	Robert Hackett MTuWThF 10:00am - 3:00pm	Seats (Total: 12) ASY 1317	Lab

ARTT418 **Advanced Drawing Studio; Advanced Drawing**

ARTT418 Advanced Drawing Studio: Advanced Drawing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT210. Students must pay a $40.00 studio lab fee.

0101	Matthew McLaughlin MTuWThF 9:00am - 2:00pm	Seats (Total: 10) ASY 2321	

ARTT448E **Advanced Printmaking Studio**

ARTT448E Advanced Printmaking Studio; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee.

0101	Robert Hackett MTuWThF 10:00am - 3:00pm	Seats (Total: 4) ASY 1317	Lab

ARTT468B **Seminar on the Interrelationship Between Art and Art Theory; Advanced Issues in Art Theory**

ARTT468B Seminar on the Interrelationship Between Art and Art Theory: Advanced Issues in Art Theory; (3 credits) Grade Method: REG/P-F/AUD.

0101	Richard Klank MTuWThF 9:00am - 12:00pm	Seats (Total: 5) ASY 2309	

ARTT489V **Advanced Special Topics in Art; Body Ornamentation: Theory with Studio Component**

ARTT489V Advanced Special Topics in Art: Body Ornamentation: Theory with Studio Component; (3 credits) Grade Method: REG/P-F/AUD.

0101	Richard Klank	Seats (Total: 20)	
	MTuWThF 12:30pm - 3:00pm	ASY 2309	

ARTT498 **Directed Studies in Studio Art**

ARTT498 Directed Studies in Studio Art; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a $40.00 studio lab fee for this course.

Contact department for information to register for this course.

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a $40.00 studio lab fee for this course.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
There is a $40.00 studio lab fee for this course.

Contact department for information to register for this course.

ARTT648 **Printmaking**

ARTT648 Printmaking; (3 credits) Grade Method: REG/AUD.
There is a $60.00 studio lab fee for this course.

0101	Robert Hackett	Seats (Total: 10)	
	MTuWThF 10:00am - 3:00pm	ASY 1317	Lab

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A Directed Graduate Studies in Studio Art; (1-4 credits) Grade Method: REG/AUD.

0105	Dawn Gavin	Seats (Total: 2)
	Contact instructor or department for details.	

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B Directed Graduate Studies in Studio Art; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Winter 2015

BCHM677 **Computational Tools in Biochemistry**

BCHM677 Computational Tools in Biochemistry; (1 credit) Grade Method: S-F. *Prerequisite: BCHM674 or BCHM671; or permission of instructor. Restriction: Must be in one of the following programs (Biochemistry (Master's); Biochemistry (Doctoral)) ; or permission of instructor.* A practical, hands-on introduction to the application of computational tools that support biochemistry research. Selected topics may include: efficient use of scientific literature databases and the preparation of professional bibliographies; proteomics and mass spectrometry; bioinformatics and genomics programs an database resources; molecular structure visualization and modeling; quatitative data fitting and error analysis; and laboratory research ethics. The course will meet on the follwing dates and times in CHM1224: 01/07 Tue 9am -12:50pm 01/10 Fri 9am -12:50pm 01/13 Mon 9am -12:50pm 01/15 Wed 9am -12:50pm 01/17 Fri 9am -12:50pm 01/21 Tue 9am -12:50pm 01/24 Fri 9am -12:50pm

0101	David Fushman	Seats (Total: 20)
	Contact instructor or department for details.	

BIOE Bioengineering Winter 2015

BIOE460 **Biotechnology and Bioproduction**

BIOE460 Biotechnology and Bioproduction; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Junior standing or higher. Credit only granted for: BIOE460, BIOE468B, or ENES489Q. Formerly: BIOE468B. Basics of recombinant DNA technology and biopharmaceutical manufacturing.

0101	Ben Woodard	Seats (Total: 20)	
	MTuWThF 1:00pm - 2:50pm	KEB 1200	
	MTuWThF 3:00pm - 4:00pm	CHE 1203	Lab

BIOM Biometrics Winter 2015

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD.
GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.
Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp	Seats (Total: 28)	
	MTuWThF 11:00am - 1:00pm	CSS 2324	
	MTuWThF 1:00pm - 2:00pm	ANS 0473	Discussion
0102	Christine Hakenkamp	Seats (Total: 28)	
	MTuWThF 11:00am - 1:00pm	CSS 2324	
	MTuWThF 10:00am - 11:00am	ANS 0473	Discussion
0103	Christine Hakenkamp	Seats (Total: 20)	
	MTuWThF 11:00am - 1:00pm	CSS 2324	
	MTuWThF 1:00pm - 2:00pm	ANS 0408	Discussion
	Students must have their own laptops.		

BMGT Business and Management Winter 2015

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.

0101	Progyan Basu	Seats (Total: 45)
	TuWThF 1:30pm - 4:40pm	VMH 1333

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG.
Prerequisite: BMGT220. Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

0101	Gary Bulmash	Seats (Total: 45)
	TuWThF 10:00am - 1:10pm	VMH 1335

BMGT364 **Managing People and Organizations**

BMGT364 Managing People and Organizations; (3 credits) Grade Method: REG.
An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

0101	Judith Gebhardt	Seats (Total: 40)
	TuWThF 10:00am - 1:10pm	VMH 1303

BMGT380 **Business Law I**

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

0101	William McClenahan	Seats (Total: 40)
	MTuWThF 10:00am - 12:45pm	VMH 1333

BMGT398B **Individual Study in Business and Management; Germany in the New Europe: Politics, Business, and Culture**

Contact department for information to register for this course.

BMGT428E **Special Topics in Accounting; Tax Avoidance, Tax Policy, and Tax Research Techniques**

BMGT428E *(PermReq)* **Special Topics in Accounting: Tax Avoidance, Tax Policy, and Tax Research Techniques; (3 credits)** Grade Method: REG.
Students must be able to provide their own transportation for Washington D.C. area site visits. Contact instructor at jmckinney@rhsmith.umd.edu for details. Click here for more course information.

0101	James McKinney	Seats (Total: 25)
	Contact instructor or department for details.	

BMGT438O **Special Topics in Operations Management; Entrepreneurship, Financial Markets, and Corporate Finance in a Global Environment**

Contact department for information to register for this course.

BMGT438Q **Special Topics in Operations Management; Doing Business in China**

Contact department for information to register for this course.

BMGT448O **Special Topics in Finance; Entrepreneurship, Financial Markets, and Corporate Finance in a Global Environment**

Contact department for information to register for this course.

BMGT498I **Special Topics in Business and Management; Social Entrepreneurship and Innovation in the Contemporary South African Context**

Contact department for information to register for this course.

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Winter 2015

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131, CHEM132, BSCI106, and BSCI105. Or BSCI105; and must have completed two semesters of chemistry.* Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.

WB11	Tammatha O'Brien	Seats (Total: 66)
	Class time/details on ELMs	ONLINE

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z Special Topics in Biology: Field Research; (1-3 credits) Grade Method: REG/P-F/AUD.

SG91	Beth Parent	Seats (Total: 5)
	Contact instructor or department for details.	

BSCI339M **Selected Topics in Biology; Mayan Culture and the Interface Between Tropical Rainforests and Coral Reefs**

Contact department for information to register for this course.

BSCI342 **Biology of Reproduction**

BSCI342 Biology of Reproduction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI105; or permission of CMNS-Biological Sciences UG Program. Also offered as: WMST326. Credit only granted for: BSCI342 or WMST326.* The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior, and menopause.

0101	Justicia Opoku-Edusei	Seats (Total: 75)
	MTuWThF 10:00am - 1:00pm	BPS 1243

BSCI348M **Special Topics in Cell Biology and Molecular Genetics; Epidemiology of Microbial Pathogens**

BSCI348M Special Topics in Cell Biology and Molecular Genetics: Epidemiology of Microbial Pathogens; (3 credits) Grade Method: REG/P-F/AUD. Acceptable towards Biological Sciences areas: MICB and GENB. Prerequisite: BSCI105. Study of infectious bacteria and viruses acting at the population level in humans and animals. Identification of causes and spread of infection.

WB11	Jeffrey Olimpo	Seats (Total: 28)
	Class time/details on ELMs	ONLINE

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD. (Sponsoring Dept.: CBMG). An opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Web site: http://www.life.umd.edu/CBMG/progrms/department/micb388r.html

I101	David Straney	Seats (Total: 5)
	Contact instructor or department for details.	

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

Contact department for information to register for this course.

BSCI399 **Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI493 **Medicinal and Poisonous Plants**

BSCI493 Medicinal and Poisonous Plants; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105; and must have completed CHEM233. Or 4 credits in BSCI courses. A study of plants important to humans that have medicinal or poisonous properties. Emphasis on plant source, plant description, the active agent and its beneficial or detrimental physiological action and effects.

0101	George Bean	Seats (Total: 25)
	MTuWThF 9:30am - 12:30pm	HJP 1216

BSST Terrorism Studies Winter 2015

BSST338C **Special Topics in Terrorism Studies; Australian and Pacific Rim Perspectives on Terrorism and Counterterrorism**

Contact department for information to register for this course.

BSST399F **Individual Study in Terrorism Studies; Geospatial Analysis of Terrorism**

BSST399F Individual Study in Terrorism Studies: Geospatial Analysis of Terrorism; (1 credit) Grade Method: REG/P-F/AUD.
Students will be introduced to Geospatial Information Systems and the technologys specific applications to terrorism studies. No previous experience with GIS or terrorism data is necessary. Students will leave the course with a firm grasp of GIS technologies and the ways in which they may implemented in terrorism studies.

WB11	Instructor: TBA	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BSST399N **Individual Study in Terrorism Studies; Social Network Analysis for Terrorism**

BSST399N Individual Study in Terrorism Studies: Social Network Analysis for Terrorism; (1 credit) Grade Method: REG/P-F/AUD.
The concept of network has become central to many discussions of terrorism and political violence research. However, use of the term is rarely backed with theoretical and empirical analysis of actual networks. This course will instruct students in the basics of social network analysis and how to apply SNA methods in the field of terrorism studies.

WB11	Instructor: TBA	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BSST638C **Special Topics in Terrorism Studies; Australian and Pacific Rim Perspectives on Terrorism and Counterterrorism**
Contact department for information to register for this course.

BUFN Finance Winter 2015

BUFN766 **Financial Engineering**

BUFN766 Financial Engineering; (2 credits) Grade Method: REG.
Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN735 or BUFN766. Formerly: BUFN735. Develop Excel and Visual Basic (VBA) models to solve problems related to portfolio management, options valuation, fixed income securities, interest rate processes, and risk management. This course thus bridges theory with the design of algorithms and models that can be directly applied in practice.

DC51	Mark Taranto	Seats (Total: 36)
	Meets January 5, 2015 - January 14, 2015	
	MTuWTh 6:25pm - 10:00pm	DC C2
	For Master of Finance students only. Meets 1/5, 1/6, 1/7, 1/8, 1/12, 1/13, 1/14.	

BUFN770 **International Investment**

BUFN770 International Investment; (2 credits) Grade Method: REG/AUD. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN724 or (BUFN770 and BUFN771). Formerly: BUFN724.* Addresses international stock markets, portfolio theory, international interest rates, exchange rates and exchange rate derivatives (options, forwards, and futures), exchange rate swaps and exchange rate exposure (operating, translation, and transaction), foreign investment strategey. Prerequisite: BUSI640.

GS01	Gurdip Bakshi **Meets January 3, 2015 - January 11, 2015** SaSu 9:00am - 4:15pm *Meets 1/3, 1/4, 1/10, 1/11.*	Seats (Total: 28) BLD2 3032
GS51	Gurdip Bakshi **Meets January 3, 2015 - January 11, 2015** SaSu 9:00am - 4:15pm	Seats (Total: 20) BLD2 3032

BUMK Marketing Winter 2015

BUMK758G **Special Topics in Marketing; Business Communication**

BUMK758G Special Topics in Marketing: Business Communication; (2 credits) Grade Method: REG.

GS51	Sheila Lalwani **Meets January 5, 2015 - January 13, 2015** MTuW 10:00am - 4:00pm *For MS in Marketing Analytics students only. Meets 1/5, 1/6, 1/7, 1/12, 1/13.*	Seats (Total: 40) BLD2 2032

BUMK758I **Special Topics in Marketing; Innovation and Marketing**

BUMK758I Special Topics in Marketing: Innovation and Marketing; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. Click here for more course information.

GS01	Gaurav Bhalla	Seats (Total: 40)
	Meets January 3, 2015 - January 11, 2015	
	SaSu 9:00am - 4:15pm	BLD2 2032
	Meets 1/3, 1/4, 1/10, 1/11.	

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Winter 2015

BUMO714 **Competitive and Collaborative Negotiation**

BUMO714 Competitive and Collaborative Negotiation; (2 credits) Grade Method: REG.
Corequisite: BUMO715. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUMO714 or BMGT764. Formerly: BMGT764. Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.

DC01	Douglas Riley	Seats (Total: 40)
	Meets January 6, 2015 - January 13, 2015	
	MTuTh 6:00pm - 10:00pm	DC C3
	Sa 8:00am - 5:30pm	DC C3
	Meets 1/6, 1/8, 1/10, 1/12, 1/13.	

BUMO758B **Special Topics in Management and Organization; Alignment of Human Capital**

BUMO758B Special Topics in Management and Organization: Alignment of Human Capital; (2 credits) Grade Method: REG.
Prerequisite: BUSI662.

BA01	Neta Moye	Seats (Total: 40)
	Meets January 8, 2015 - January 17, 2015	
	TuWTh 6:25pm - 10:00pm	BA 101
	Sa 9:00am - 5:00pm	BA 101
	Meets 1/8, 1/10, 1/13, 1/14, 1/17.	

BUMO758C **Special Topics in Management and Organization; International Entrepreneurship**

BUMO758C Special Topics in Management and Organization: International Entrepreneurship; (2 credits) Grade Method: REG.

DC06	James Sanders	Seats (Total: 36)
	Meets January 10, 2015 - January 18, 2015	
	SaSu 9:00am - 4:15pm	DC C2
	Meets 1/10, 1/11, 1/17, 1/18.	

BUMO758F **Special Topics in Management and Organization; Entrepreneurial Issues in Family & Closely-Held Businesses**

BUMO758F Special Topics in Management and Organization: Entrepreneurial Issues in Family & Closely-Held Businesses; (2 credits) Grade Method: REG.

DC01	Jonathan Aberman	Seats (Total: 40)
	Meets January 5, 2015 - January 17, 2015	
	MW 6:25pm - 10:00pm	DC C1
	Sa 9:00am - 3:00pm	DC C4
	Meets 1/5, 1/7, 1/10, 1/12, 1/14, 1/17.	

BUMO758M **Special Topics in Management and Organization; Understanding & Managing Organizational Change**

BUMO758M Special Topics in Management and Organization: Understanding & Managing Organizational Change; (4 credits) Grade Method: REG.
Prerequisite: BUSI662 or BUSI664.

BA01	Mary Taylor	Seats (Total: 36)
	Meets January 6, 2015 - January 18, 2015	
	MTuWTh 6:10pm - 10:00pm	BA 103
	SaSu 9:00am - 4:30pm	BA 103
	Meets 1/6, 1/7, 1/8, 1/10, 1/11, 1/12, 1/13, 1/14, 1/17, 1/18.	

BUMO759 **Independent Study in Management and Organization**

BUMO759 Independent Study in Management and Organization; (1-6 credits)
Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI Part-Time MBA Program Winter 2015

BUSI608L **ELM: Special Topics; Doing Business in Chile**
Contact department for information to register for this course.

BUSI608M **ELM: Special Topics; Doing Business in the United Arab Emirates**
Contact department for information to register for this course.

BUSI608Y **ELM: Special Topics; Doing Business in Singapore & Japan**
Contact department for information to register for this course.

BUSI758K **Special Topics in Business; Capitalism: How it Works**

BUSI758K Special Topics in Business: Capitalism: How it Works; (2 credits)
Grade Method: REG.
Meets 1/5, 1/6, 1/7, 1/8, 1/12, 1/13, 1/14, 1/15.

DC01	David Kirsch	Seats (Total: 36)
	Meets January 5, 2015 - January 14, 2015	
	MTuWTh 6:25pm - 10:00pm	DC C4
	Meets 1/5, 1/6, 1/7, 1/8, 1/12, 1/13, 1/14.	

BUSI759 **Independent Study in Business**

BUSI759 Independent Study in Business; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Winter 2015

CBMG899 **Doctoral Dissertation Research**

CBMG899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F.

0121	Jeffrey DeStefano Contact instructor or department for details.	Seats (Total: 10)
0155	Volker Briken Contact instructor or department for details.	Seats (Total: 1)

CCJS Criminology and Criminal Justice Winter 2015

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201). Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings. Prerequisites: CCJS100 and CCJS105 and one of the following: CCJS200 or SOCY201 or PSYC200 or ECON321 or BMGT320.

0101	Laure Brooks MTuWTh 9:00am - 12:30pm	Seats (Total: 18) LEF 2166

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

WB11	Christine Roberts White	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: (CCJS 105 or CRIM 220) and (CCJS 350 or CRIM 450), majors only and permission of department.

Contact department for information to register for this course.

CCJS370 **Race, Crime and Criminal Justice**

CCJS370 *(PermReq)* **Race, Crime and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department. Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

0101	Whytnee Silva	Seats (Total: 40)
	MTuWTh 1:00pm - 4:30pm	LEF 2166

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. Majors only.

Contact department for information to register for this course.

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS350, CCJS300, and CCJS105. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	Jacqueline Lee	Seats (Total: 40)
	MTuWTh 1:00pm - 4:30pm	TYD 1118

CCJS600 **Criminal Justice**
Contact department for information to register for this course.

CCJS651 **Seminar in Criminology**

CCJS651 Seminar in Criminology; (3 credits) Grade Method: REG/AUD.
Formerly: CRIM651. Analysis of significant recent issues in Criminology.

CH01	Sally Simpson	Seats (Total: 32)
	Contact instructor or department for details.	

CCJS678B **Advanced Topics in Criminology and Criminal Justice; International Economics**
Contact department for information to register for this course.

CCJS680 **Drugs and Crime**
Contact department for information to register for this course.

CHEM Chemistry Winter 2015

CHEM399A **Introduction to Chemical Research; Undergraduate Research**

CHEM399A Introduction to Chemical Research: Undergraduate Research; (1 credit) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research; Undergraduate Research**

CHEM399B Introduction to Chemical Research: Undergraduate Research; (2 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM611 **Professional Skills for New Graduate Students**

CHEM611 Professional Skills for New Graduate Students; (1 credit) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be in one of the following programs (Chemistry (Master's); Biochemistry (Master's); Biochemistry (Doctoral); Chemistry (Doctoral)) ; and must be a new graduate student. Covers a wide range of topics in professional development for new graduate students.

Contact department for information to register for this course.

CHEM612 **Scientific Presentations**

CHEM612 Scientific Presentations; (1 credit) Grade Method: S-F.
Prerequisite: CHEM611. Workshops will cover all aspects of giving scientific presentations. Each student will give a presentation based oon the topic of his/her final paper in CHEM611. Presentations will be critiqued by peers and faculty members.

0101	Andrei Vedernikov	Seats (Total: 40)
	MTuWThF 10:00am - 10:50am	CHM 1228

CHEM640 **Problems in Organic Reaction Mechanisms**

CHEM640 Problems in Organic Reaction Mechanisms; (1 credit) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.

Contact department for information to register for this course.

CHPH Chemical Physics Winter 2015

CHPH618A **Special Projects in Chemical Physics; Neutron Optics and Interferometry**

CHPH618A Special Projects in Chemical Physics: Neutron Optics and Interferometry; (1-3 credits) Grade Method: REG/AUD.

0148	Instructor: TBA	Seats (Total: 10)
	MW 12:00pm - 1:50pm	CHE 2337

CHPH899 **Doctoral Dissertation Research**

CHPH899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Winter 2015

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit. An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

WB11	Gregory Staley	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

CLAS308G **The Classics in Context; The Ancient Roman City: Pompeii and Beyond**
Contact department for information to register for this course.

CLFS Chemical and Life Sciences Winter 2015

CLFS608 **Seminar in Current Topics in Chemical and Life Science**

CLFS608 *(PermReq)* **Seminar in Current Topics in Chemical and Life Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register for this class.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

CLFS608A *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Contact the Office of Extended Studies (oes@umd.edu) to register for this class.

Contact department for information to register for this course.

CLFS609B **Special Topics; The Biology of Reproduction**

CLFS609B Special Topics: The Biology of Reproduction; (3 credits) Grade Method: REG/AUD.

PL01	Janet Norcross, Bruce Cushing	Seats (Total: 30)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS609C **Special Topics; Emerging Infectious Diseases**

CLFS609C Special Topics: Emerging Infectious Diseases; (3 credits) Grade Method: REG/AUD.

PL01	Robert Hall	Seats (Total: 25)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS610 **Natural Products Chemistry**

CLFS610 Natural Products Chemistry; (3 credits) Grade Method: REG.
Restriction: Permission of CMNS-Chemical & Life Sciences department. Credit only granted for: LFSC609D or LFSC610. Formerly: LFSC609D. Foundations of natural products chemistry; how nature goes about making (biosynthesizing) these compounds and elements of enzymology and genomics relevant to production of these compounds; relevance of natural products chemistry as a driving force for drug discovery and innovation in biotechnology.

PL01	Bruce Jarvis	Seats (Total: 20)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS619A **Special Topics in Chemistry; Molecular Spectroscopy**

CLFS619A Special Topics in Chemistry: Molecular Spectroscopy; (3 credits) Grade Method: REG/AUD.

PL01	Dorothy Mazzocchi	Seats (Total: 20)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS630 **Principles of Transmission Genetics: A Historical and Modern Perspective**

CLFS630 Principles of Transmission Genetics: A Historical and Modern Perspective; (3 credits) Grade Method: REG/AUD.
Examines the origins of modern genetics, model genetic systems, and the role of chromosomes in vertical transmission of genetic information from parent to offspring. Classical gene mapping, population genetics and the various applications of modern genetics will also be studied.

PL01	Nancy Trun	Seats (Total: 30)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS640 **Human Physiology**

CLFS640 Human Physiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: Two years of teaching experience; and CLFS510. Restriction: Must be in Master of Chemical & Life Sciences (Master's) program; and permission of CMNS-Chemical & Life Sciences department. Examination of the major organ system of the human body and of the neural and hormonal mechanisms responsible for their regulation and control.

PL01	John Kapp, William Higgins	Seats (Total: 20)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS660 **Biodiversity and Conservation Biology**

CLFS660 Biodiversity and Conservation Biology; (3 credits) Grade Method: REG/AUD.
Application of ecological and evolutionary principles to assess the impact of the human species on the environment and its inhabitants. Specific case studies are included to illustrate problems of bidiversityloss and actions required to reverse the trends.

PL01	Dale Bottrell	Seats (Total: 24)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS680 **Chemical Ecology**

CLFS680 Chemical Ecology; (3 credits) Grade Method: REG/AUD.
An examination of the utilization of organic natural products by plants and animals for various life processes. Examples will include how materials are utilized for sexual selection, defense against predators, sexual attractants, and as natural herbicides and repellants.

PL01	Dorothy Mazzocchi, Bruce Jarvis **Meets December 1, 2014 - February 20, 2015** Class time/details on ELMs *Restricted to students in the CLFS program.*	Seats (Total: 26) ONLINE

CLFS725 **Experimental Design**

CLFS725 Experimental Design; (2 credits) Grade Method: REG/AUD. *Credit only granted for: LFSC710, LFSC719, or LFSC725. Formerly: LFSC719.* Experimental design and statistics for science teachers that emphasizes the underlying structure of data and how this affects the quality and reliability of experiments. Examines the nature of data, the methods for designing rigorous experiments, important experimental design formats, and the relationships between data structure and analysis. Course work focuses on the design and analysis of orginal experiments for a series of research problems.

PL01	Bretton Kent **Meets December 1, 2014 - February 20, 2015** Class time/details on ELMs *Restricted to students in the CLFS program.*	Seats (Total: 30) ONLINE

CMLT Comparative Literature Winter 2015

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

WB11	Jeremy Metz Class time/details on ELMs	Seats (Total: 25) ONLINE

CMLT398E **Special Topics in Comparative Studies; Chilean Culture, Democracy, and Social Change**
Contact department for information to register for this course.

CMSC Computer Science Winter 2015

CMSC389G **Special Topics in Computer Science; Getting ExciTED about Computing and Technology**

CMSC389G *(PermReq)* **Special Topics in Computer Science: Getting ExciTED about Computing and Technology; (1 credit)** Grade Method: REG.

0101	Evan Golub	Seats (Total: 22)
	MTuWThF 2:30pm - 3:30pm	CSI 1121

CMSC389P **Special Topics in Computer Science; Introduction to PHP, MySQL, and Apache**

CMSC389P *(PermReq)* **Special Topics in Computer Science: Introduction to PHP, MySQL, and Apache; (1 credit)** Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 43)
	MTuWThF 11:30am - 12:30pm	CSI 2117

CMSC389T **Special Topics in Computer Science; Advanced Discrete Structures**

CMSC389T *(PermReq)* **Special Topics in Computer Science: Advanced Discrete Structures; (1 credit)** Grade Method: REG.

0101	William Gasarch	Seats (Total: 37)
	MTuWThF 1:00pm - 1:50pm	CSI 1121

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 Graduate Seminar in Computer Science; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 Doctoral Dissertation Research; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Winter 2015

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	Devin Scott MTuWTh 9:00am - 12:30pm	Seats (Total: 19) SKN 1115
0102	Kathleen Brown MTuWTh 9:00am - 12:30pm	Seats (Total: 19) SKN 1112

COMM200 **Critical Thinking and Speaking**

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285. Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

0101	Jade Olson MTuWTh 5:00pm - 8:30pm	Seats (Total: 19) SKN 1112

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD.

I101	Julie Gowin	Seats (Total: 10)
	Contact instructor or department for details.	

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Yvonne Slosarski	Seats (Total: 35)
	MTuWTh 1:00pm - 4:30pm	SKN 1115

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	Thomas McCloskey	Seats (Total: 35)
	MTuWTh 1:00pm - 4:30pm	WDS 0104

COMM360 **The Rhetoric of Black America**

COMM360 The Rhetoric of Black America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	Jessica Lu	Seats (Total: 35)
	MTuWTh 9:00am - 12:30pm	KEY 0126

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program. Supervised internship experience with communication professionals. Relation of academic training to professional experience. Hours are completed at internship site.

Contact department for information to register for this course.

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. Restriction: Must be in Communication program. Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0101	Jon Hoffman	Seats (Total: 35)
	MTuWTh 9:00am - 12:30pm	KEY 0102

COMM489 **Topical Research; Topical Research**

COMM489 Topical Research: Topical Research; (3 credits) Grade Method: REG/P-F/AUD.

0106	Leah Waks	Seats (Total: 5)
	Contact instructor or department for details.	

COMM798 **Independent Study**

COMM798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 Doctoral Dissertation Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Winter 2015

CONS609I **Special Topics in Conservation Biology; Special Topics in Conservation Biology: Internship**

CONS609I Special Topics in Conservation Biology: Special Topics in Conservation Biology: Internship; (1 credit) Grade Method: REG/S-F.

I101	Karen Lips	Seats (Total: 50)
	Contact instructor or department for details.	

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 Research Papers in Sustainable Development and Conservation Biology; (1-4 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CPSP College Park Scholars Program — Winter 2015

CPSP239J **Practicum: Internship; Individual Practicum: Media, Self, and Society**

CPSP239J Practicum: Internship: Individual Practicum: Media, Self, and Society; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CPSP239P **Practicum: Internship; Public Leadership**

CPSP239P Practicum: Internship: Public Leadership; (1-3 credits) Grade Method: REG/P-F/AUD.

I101	Jennifer Littlefield	Seats (Total: 5)
	Contact instructor or department for details.	

CPSP279K **Practicum: Study Abroad; London and the British Empire, 1500-1850**
Contact department for information to register for this course.

CPSP279T **Practicum: Study Abroad; Technology and Society: Ecuador in Context**
Contact department for information to register for this course.

CPSP379A **Advanced Practicum: Study Abroad; Global Immersion: Australia**
Contact department for information to register for this course.

CPSP379C **Advanced Practicum: Study Abroad; International and Multicultural Perspectives in Education**
Contact department for information to register for this course.

CPSP379E **Advanced Practicum: Study Abroad; El Salvador's Children: Risk, Poverty and Education**
Contact department for information to register for this course.

CPSP379M **Advanced Practicum: Study Abroad; Global Immersion: Singapore/Malaysia**
Contact department for information to register for this course.

CPSP379P **Advanced Practicum: Study Abroad; Morocco: Culture and Human Rights- A Public Leadership Perspective**
Contact department for information to register for this course.

ECON Economics Winter 2015

ECON200 **Principles of Micro-Economics**

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Additional information: It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

WB11	Scott Ohlmacher	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

ECON201 **Principles of Macro-Economics**

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

WB11	Veronika Penciakova	Seats (Total: 55)
	Class time/details on ELMs	ONLINE

ECON300 **Methods and Tools for Economic Analysis**

ECON300 Methods and Tools for Economic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Restriction: Must be in a major within BSOS-Economics department; and must not have completed MATH240 or MATH241. Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Xuezhen Tao	Seats (Total: 40)
	MTuWTh 1:00pm - 4:10pm	TYD 1114

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Recommended: STAT100. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Pablo Salinas Macario	Seats (Total: 40)
	MTuWTh 9:00am - 12:10pm	TYD 2111

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON305 or ECON325. Additional information: ECON305, Intermediate Macroeconomic Theory and Policy, is a different course designed for other majors besides ECON. ECON325 is accepted for major requirements, but ECON305 is not. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Emekcan Yucel	Seats (Total: 40)
	MTuWTh 1:00pm - 4:10pm	TYD 2109

ECON326 **Intermediate Microeconomic Analysis**

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON306 or ECON326. Additional information: ECON306, Intermediate Microeconomic Theory and Policy, is a different course designed for other majors besides economics. ECON326 is accepted for ECON major requirements, but ECON306 is not. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

0101	Svetlana Pivovarova	Seats (Total: 40)
	MTuWTh 9:00am - 12:10pm	TYD 0101

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200. The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	Camilo Morales-Jimenez	Seats (Total: 40)
	MTuWTh 1:00pm - 4:10pm	TYD 2106

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS.

0101	Shanxiao Wang	Seats (Total: 38)
	MTuWTh 1:00pm - 4:10pm	LEF 0229

ECON442 **Globalization and Capital Markets**

ECON442 Globalization and Capital Markets; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326 and ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON441. Credit only granted for: ECON441 or ECON442. Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	Ling Zhu	Seats (Total: 40)
	MTuWTh 10:00am - 1:10pm	TYD 2110

ECON443 **International Trade and Trade Policy in the New Global Economy**

ECON443 International Trade and Trade Policy in the New Global Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326 and ECON325. Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON441. Credit only granted for: ECON441 or ECON443. Examines the economics of international economic integration, including the theory of customs unions and free trade areas, the role of GATT and the WTO, changes in individual countries' foreign trade policies during the new era of globalization, the special role of multinational firms in world trade, and recent controversies about the benefits and costs of globalized trade.

0101	Edith Laget	Seats (Total: 40)
	MTuWTh 9:00am - 12:10pm	TYD 0102

ECON642 **Topics in Applied Macroeconomics**

ECON642 Topics in Applied Macroeconomics; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department. Focus is on applied macroeconomic models used by federal agencies to explain and predict economic behavior. Course emphasizes macroeconomic data: NIPA accounts, GDP, construction and application of CPI, labor force data and economic indicators. Students will also study a selected set of current macroeconomic topics including models of economic growth, economic fluctuations, monetary policy, inflation and financial markets.

PR01	Instructor: TBA	Seats (Total: 24)
	Meets December 1, 2014 - February 20, 2015	
	Tu 6:30pm - 9:15pm	Location: TBA
	Class meets in 1400 16th Street NW, WDC. Restricted to students in Professional Economics Program.	

ECON644 **Empirical Analysis II: Introduction to Economic Models**

ECON644 Empirical Analysis II: Introduction to Economic Models; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON643. The application of econometric methods to empirical problems in economics and public policy analysis, emphasizing single variable and multiple variable regression analysis and forecasting, time series data and decision analysis.

PR01	Instructor: TBA	Seats (Total: 24)
	Meets December 1, 2014 - February 20, 2015	
	M 6:30pm - 9:15pm	Location: TBA
	Class meets in 1400 16th Street NW, WDC. Restricted to students in Professional Economics Program.	

ECON672 **Program Analysis and Evaluation**

ECON672 Program Analysis and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. An introduction to the principles and tools of program evaluation of policy issues using the cost benefit framework. Topics include estimation under uncertainty, future benefits and costs and social welfare.

PR01	Instructor: TBA	Seats (Total: 24)
	Meets December 1, 2014 - February 20, 2015	
	M 6:30pm - 9:15pm	Location: TBA
	Class meets in 1400 16th Street NW, WDC. Restricted to students in Professional Economics Program.	

ECON673 **Information, Game Theory and Market Design**

ECON673 Information, Game Theory and Market Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. A study of the strategic decision-making and the theory and practice of market design. Focus is on the design of organized market and incentives created by market rules. Topics include online auction markets, government auctions procurement auctions and matching markets. The analysis includes documenting the rules of real-world markets, game theoretic analysis, empirical analysis, and experimental work.

PR01	Instructor: TBA	Seats (Total: 24)
	Meets December 1, 2014 - February 20, 2015	
	Tu 6:30pm - 9:15pm	Location: TBA
	Class meets in 1400 16th Street NW, WDC. Restricted to students in Professional Economics Program.	

ECON698 **Selected Topics in Economics**

ECON698 Selected Topics in Economics; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON898 **Pre-Candidacy Research**

ECON898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI437 **English Grammar Pedagogy for Teachers of English Language Learners**

EDCI437 English Grammar Pedagogy for Teachers of English Language Learners; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: EDCI437 or EDCI488P. Formerly: EDCI488P. Methods of teaching English grammar to English language learners. The role of teaching grammar. Effective methods and techniques for incorporating grammar in other communication activities.

0101	Jeff MacSwan Class time/details on ELMs	Seats (Total: 15) ONLINE
IH60	Jeff MacSwan Class time/details on ELMs *MCert Outreach Program. Registration restricted to program participants. Department permission required.*	Seats (Total: 5) ONLINE

EDCI463 **Reading in the Secondary School**

EDCI463 Reading in the Secondary School; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and permission of department required for post-baccalaureate students. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.

0101	Wayne Slater MTuWThF 9:00am - 12:00pm	Seats (Total: 30) EDU 2119

EDCI488K **Selected Topics in Teacher Education; From Ethiopia to Israel: Immigration, Education, and Acculturation**
Contact department for information to register for this course.

EDCI788K **Selected Topics in Teacher Education; From Ethiopia to Israel: Immigration, Education, and Acculturation**
Contact department for information to register for this course.

EDCI798 **Special Problems in Teacher Education**

EDCI798 Special Problems in Teacher Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI888 **Apprenticeship in Education**

EDCI888 Apprenticeship in Education; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F.

0106	Victoria MacDonald Contact instructor or department for details.	Seats (Total: 5)
0107	Linda Valli Contact instructor or department for details.	Seats (Total: 5)
0132	Jeff MacSwan Contact instructor or department for details.	Seats (Total: 5)
0135	David Imig Contact instructor or department for details.	Seats (Total: 5)
0152	Francine Hultgren Contact instructor or department for details.	Seats (Total: 5)

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services — Winter 2015

EDCP108B **College and Career Advancement: Concepts and Skills; Winterterm Study Skills Program**

EDCP108B College and Career Advancement: Concepts and Skills: Winterterm Study Skills Program; (1 credit) Grade Method: REG/P-F/AUD.
Class meets for one week: Jan 6-10. Also offered as a non-credit Workshop: WINT012. For more information, click here.

0101	Beverly Greenfeig	Seats (Total: 50)
	Meets January 7, 2015 - January 13, 2015	
	MTuWThF 9:30am - 12:30pm	SHM 2102

EDCP318A **Applied Contextual Leadership; Leadership and Film**

EDCP318A Applied Contextual Leadership: Leadership and Film; (3 credits) Grade Method: REG/P-F/AUD.
This online course asks students to think about leadership in a new way by finding leadership lessons from film. This course will ask students to watch a number of films (including some documentaries) and connect each of the films to leadership readings and personal experience.

WB11	Melissa Rocco	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

EDCP318F **Applied Contextual Leadership; Fiji: Adventure Leadership**
Contact department for information to register for this course.

EDCP641 **School Psychology Seminar: Professional Ethics**

EDCP641 School Psychology Seminar: Professional Ethics; (1-2 credits) Grade Method: REG/AUD.
Restriction: Must be in the School Psychology program; or permission of instructor.
Overviews ethical issues in the specialty of school psychology.

0101	William Strein	Seats (Total: 5)
	Contact instructor or department for details.	

EDCP789 **Advanced Topics in Counseling and Personnel Services**

EDCP789 *(PermReq)* **Advanced Topics in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP798 **Special Problems in Counseling and Personnel Services; Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services: Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Individual Instruction course: contact department or instructor to obtai n section number for winter term.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 Apprenticeship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP889 **Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Winter 2015

EDHI488C **Special Topics in Education Policy and Administration; World Religions and Their Implications for Education**

EDHI488C Special Topics in Education Policy and Administration: World Religions and Their Implications for Education; (3 credits) Grade Method: REG/P-F/AUD.
Course will meet January 12, 14, 15, 19, 21, 22. Students develop a basic understanding of world religions, looking at their origins, development, teachings, and primary figures. Students explore the roles, meaning, purpose that education plays in the various religions and examine their implications for education in the 21st century.

0101	Jing Lin	Seats (Total: 20)
	Meets January 12, 2015 - January 22, 2015	
	MWTh 4:00pm - 9:00pm	EDU 1315
	Contact instructor or department for details.	

EDHI489 **Field Experiences in Education**

EDHI489 Field Experiences in Education; (1-4 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI677 **Ranking System in Higher Education: How They Work and Why They Matter**

EDHI677 Ranking System in Higher Education: How They Work and Why They Matter; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI677 or EDHI788W. Formerly: EDHI788W. A critical examination of domestic and international university rankings systems from their historic origins to current day. Students explore the criteria used to identify quality, the methods used to collect data, and the impact of ranking systems on institutional decision-making. Class meets 1/5, 1/8, 1/12, and 1/15 from 9am-1pm and 2p-6pm. Meets on 1/20 from 6-9pm; Plus 10 lab hours of independent study.

0101	KerryAnn O'Meara	Seats (Total: 20)
	Meets January 5, 2015 - January 21, 2015	
	TBA Contact instructor or department for details.	EDU 3236
	Course will meet on the following days and times in EDU 3233: Monday, January 5th: 9-1 AND 2-6 Thursday, Jan 8th: 9-1 pm AND 2-6pm Monday, January 12th: 9-1 AND 2-6pm Thursday, January 15th: 9-1 AND 2-6pm Tuesday, January 20th 6-9pm.	

EDHI679 **Master's Seminar**
Contact department for information to register for this course.

EDHI683 **World Religions and Their Implications for Education**

EDHI683 World Religions and Their Implications for Education; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI683 or EDHI788C. Formerly: EDHI788C. Students develop a basic understanding of world religions, looking at their orgins, development, teachings, and primary figures. Students explore the roles, meaning, purpose that education plays in the various religions and examine their implications for education in the 21st century. Course will meet January 12, 14, 15, 19, 21, 22.

0101	Jing Lin	Seats (Total: 20)
	Meets January 12, 2015 - January 22, 2015	
	MWTh 4:00pm - 9:00pm Contact instructor or department for details.	EDU 1315

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI888 **Apprenticeship in Education**

EDHI888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD.

0135	Alberto Cabrera	Seats (Total: 5)
	Contact instructor or department for details.	

EDHI889 **Internship in Education**

EDHI889 Internship in Education; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Winter 2015

EDPS488C **Special Topics in Education Policy and Administration; Culture, Identity and Experience in Education**

EDPS488C Special Topics in Education Policy and Administration: Culture, Identity and Experience in Education; (3 credits) Grade Method: REG/P-F/AUD.

0101	Beth Cohen	Seats (Total: 10)
	TuW 6:00pm - 9:00pm Class time/details on ELMs	EDU 1107 ONLINE

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS788C **Special Topics in Education Policy and Administration; Culture, Identity and Experience in Education**

EDPS788C Special Topics in Education Policy and Administration: Culture, Identity and Experience in Education; (3 credits) Grade Method: REG/AUD.

0101	Beth Cohen	Seats (Total: 10)
	TuW 6:00pm - 9:00pm Class time/details on ELMs	EDU 1107 ONLINE

EDPS798 **Special Problems in Education**

EDPS798 Special Problems in Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS889 **Internship in Education**

EDPS889 Internship in Education; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Winter 2015

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children. Meeting dates are as follows: Week of 1/5 - Mon: 1-7, Tue, Wed. and Thur. 4-7 Week of 1/12 - Mon., Tu. and Wed: 4-7 Week of 1/20 - Wed. 3-9PM There are also 15 hours of distance lab.

0101	Carolyn Fink	Seats (Total: 15)
	TBA	EDU 3233

EDSP488B **Selected Topics in Teacher Education; El Salvador's Children: Risk, Poverty and Education**
Contact department for information to register for this course.

EDSP498F **Special Problems in Special Education; El Salvador's Children: Risk, Poverty and Education**
Contact department for information to register for this course.

EDSP499E **Workshops, Clinics, and Institutes in Special Education; Academic Assessment**

EDSP499E Workshops, Clinics, and Institutes in Special Education: Academic Assessment; (1 credit) Grade Method: REG/P-F/AUD.
Course meets: 1/5, 1/6, 1/14, 1/15, 1/16 in EDU2119.

0101	Erin Clancy	Seats (Total: 12)
	MTuWThF 1:00pm - 4:00pm	Location: TBA

EDSP788B **Selected Topics in Special Education; El Salvador's Children: Risk, Poverty and Education**
Contact department for information to register for this course.

EDSP798 **Special Problems in Special Education**

EDSP798 Special Problems in Special Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP798F **Special Problems in Special Education; El Salvador's Children: Risk, Poverty and Education**
Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888 **Apprenticeship in Special Education**

EDSP888 Apprenticeship in Special Education; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

EDSP889 Internship in Special Education; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EMBA Executive MBA Program Winter 2015

EMBA654 **Organizational Change**
Contact department for information to register for this course.

EMBA678 **Ethical Leadership**

Contact department for information to register for this course.

EMBA683 **The Global Economic Environment**
Contact department for information to register for this course.

EMBA693 **Supply Chain**
Contact department for information to register for this course.

EMBA757 **Marketing Strategy**
Contact department for information to register for this course.

EMBA758T **Special Topics; International Business**
Contact department for information to register for this course.

EMBA778A **Special Topics; Introduction to Fundamentals of Business**
Contact department for information to register for this course.

EMBA778C **Special Topics; International Business**

EMBA778C Special Topics: International Business; (2 credits) Grade Method: REG/AUD.

SO11	Cristian Dezso	Seats (Total: 0)
	Class time/details on ELMs	ONLINE

EMBA778F **Special Topics; Corporate Risk**
Contact department for information to register for this course.

EMBA778I **Special Topics; Social Media and WEb Analytics**
Contact department for information to register for this course.

ENCE Engineering, Civil Winter 2015

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD.

0112	Peter Chang	Seats (Total: 1)
	Contact instructor or department for details.	

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.

0108	Ali Haghani	Seats (Total: 2)
	Contact instructor or department for details.	

ENCE899 **Doctoral Dissertation Research**

ENCE899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F.

0108	Ali Haghani	Seats (Total: 2)
	Contact instructor or department for details.	
0120	Yunfeng Zhang	Seats (Total: 2)
	Contact instructor or department for details.	
0121	Steven Gabriel	Seats (Total: 5)
	Contact instructor or department for details.	

ENCH Engineering, Chemical Winter 2015

ENCH799 **Master's Thesis Research; Masters Thesis Research**

ENCH799 Master's Thesis Research: Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F.

0126	Srinivasa Raghavan	Seats (Total: 5)
	Contact instructor or department for details.	

ENCH898 **Pre-Candidacy Research**

ENCH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F.

0106	Mikhail Anisimov	Seats (Total: 5)
	Contact instructor or department for details.	

ENCH899 **Doctoral Dissertation Research**

ENCH899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Winter 2015

ENCO098 **Co-op/Internship Work Experience; Co-op/Intern Work Experience**

ENCO098 Co-op/Internship Work Experience: Co-op/Intern Work Experience; (No credit) Grade Method: S-F.
Participation in a cooperative education (co-op) or internship program combines classroom theory with paid, supervised, career-related work experience that develops technical and professional work skills. Programs are open to undergraduate and graduate students in all majors in the School of Engineering. Undergraduate students must have a 2.0 GPA to participate and graduate students a 3.0 GPA. Contact the Engineering Co-op and Career Services Office for more information.

CP02	Veronica Perrigan	Seats (Total: 10)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering — Winter 2015

ENEE131 **Technology Choices**

ENEE131 Technology Choices; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
An exploration of the positive and negative effects of technology on society, via diverse criteria to assess the relative well being of individuals and society; an examination of how society can help shape the future of technology and the tools that can be used to make wise technology choices.

0101	Wesley Lawson	Seats (Total: 24)
	MTuWThF 10:00am - 12:50pm	CSI 2120

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

ENEE200 Social and Ethical Dimensions of Engineering Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Restriction: Sophomore standing or higher. Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	Nicole Mogul	Seats (Total: 16)	
	MTuWThF 10:00am - 12:00pm	CSI 1121	
	MTuWThF 1:00pm - 3:00pm	CSI 2118	Discussion

ENEE488 **Independent Study in Electrical and Computer Engineering**

ENEE488 *(PermReq)* **Independent Study in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

ENEE499L *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE799 **Master's Thesis Research**

ENEE799 Master's Thesis Research; (1-6 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 Doctoral Dissertation Research; (1-6 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Winter 2015

ENES102 **Mechanics I**

ENES102 *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Stephen Kamakaris	Seats (Total: 40)
	MTuWThF 9:00am - 12:00pm	KEB 1200

ENES220 **Mechanics II**

ENES220 *(PermReq)* **Mechanics II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.* Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0101	Peter Chang	Seats (Total: 42)
	MTuWThF 10:00am - 1:00pm	CSI 2107

ENES232 **Thermodynamics**

ENES232 Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232. Formerly: ENME232 and ENME320. Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Kristen Hines	Seats (Total: 50)
	MTuWThF 9:00am - 1:00pm	CSI 1122

ENES316 **Global Leadership in Engineering, Business, & Technology**
Contact department for information to register for this course.

ENES458A **Topics in International Engineering; Engineers Without Borders: Leadership Seminar**
Contact department for information to register for this course.

ENES458C **Topics in International Engineering; Leadership Seminar-Monitoring_Burkina Faso**
Contact department for information to register for this course.

ENES458I **Topics in International Engineering; Engineers Without Borders-Leadership Seminar**
Contact department for information to register for this course.

ENES460 **Fundamentals of Technology Start-Up Ventures**

ENES460 Fundamentals of Technology Start-Up Ventures; (3 credits) Grade Method: REG/P-F/AUD.
Formerly: ENES489A. Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

WB11	Cait von Schnetlage	Seats (Total: 100)
	Class time/details on ELMs	ONLINE

ENES472 **International Business Cultures in Engineering and Technology**
Contact department for information to register for this course.

ENES489Q **Special Topics in Engineering; Biotechnology and Bioproduction**

ENES489Q Special Topics in Engineering: Biotechnology and Bioproduction; (3 credits) Grade Method: REG/P-F/AUD.
Focuses on the basics of recombinant DNA technology as applied to biopharmaceutical manufacturing, in classroom and pilot plant settings. Students will work through a "production campaign" including all key steps of manufacturing a protein product.Also offered as BIOE468B.

0101	Ben Woodard	Seats (Total: 20)	
	MTuWThF 1:00pm - 2:50pm	KEB 1200	
	MTuWThF 3:00pm - 4:00pm	CHE 1203	Lab

ENES664 **Business Modeling and Customer Validation**

ENES664 Business Modeling and Customer Validation; (3 credits) Grade Method: REG/AUD.
Focuses on how to create and deliver value for customers and extract value for the new venture. Develop business models that encompass the product or service, customers, and the economic engine to meet the venture's financial and growth objectives. Introduces a structured way to think about, analyze, and develop a sound business model that is customer validated.

PLM1	Daniel Gordon	Seats (Total: 50)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES665 **Innovative Thinking**

ENES665 Innovative Thinking; (3 credits) Grade Method: REG.
Introduces students to new and powerful tools to boost their creative problem solving skills. Participants re-discover their communication and teaming skills. Students unlock their creativity potential, and explore win-win approaches to define and solve problems of different kinds. Students are also introduced to topics related to intellectual property.

PLM1	Frankie Abralind	Seats (Total: 50)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENFP Engineering, Fire Protection Winter 2015

ENFP613 **Human Response to Fire**

ENFP613 Human Response to Fire; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP413.* Fractional effective dose (FED) methods for predicting time to incapacitation and death of fires for use in fire safety engineering calculations. Physiology and toxicology of fire effluent components, decomposition chemistry of common materials, standard experimental approaches. Predictive models of material production rates. People movement characteristics related to building evacuation. Formulation and application of evacuation models. Human behavior factors affecting response of people to fire situations.

EF01	Jamie McAllister, Steven Gwynne	Seats (Total: 40)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE

ENFP653 **Advanced Fire Supression**

ENFP653 Advanced Fire Supression; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP629C or ENFP653. Formerly: ENFP629C.* Issues related to the suppression of fires and the design of fire suppression systems. Theoretical aspects of fire suppression and extinction are considered to provide the foundation for the practical design of different types of fire suppression systems. Focus on water-based and "clean agent" fire suppression systems, with emphasis on high challenge and special hazard applications. Systems using other agents are introduced, but are not addressed in detail.

EF01	Jason Sutula	Seats (Total: 40)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE

ENFP799 **Master's Thesis Research**

ENFP799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Winter 2015

ENGL245 **Film Form and Culture**

ENGL245 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities. *Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.* Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

WB11	Brian Davis	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL295 **Literature in a Wired World**

ENGL295 Literature in a Wired World; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities. *Credit only granted for: ENGL278W or ENGL295. Formerly: ENGL278W.* An introduction to the changing nature of books, texts, and narrative in Information Age. Role of book in relation to other media, history of computers and writing, influence of computing on contemporary literature and culture, emerging forms of digital narrative and reading. Practical skills taught range from how to find digital literature and other texts online to using Web media to create literary works.

WB11	Daniel Kason	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL312 **Romantic to Modern British Literature**

ENGL312 Romantic to Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, and Woolf. Click here for more course information.

WB11	Jason Rudy	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL329B **Special Topics in Film Studies; English Literature on Film in the Twenty-First Century**

ENGL329B Special Topics in Film Studies: English Literature on Film in the Twenty-First Century; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245, FILM245, FILM283, or SLLC283; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Studies in various periods and genres of film. Click here for more course information.

WB11	Joseph Byrne	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL369D **Special Topics in Study Abroad III; Australian Literature and Culture, Aboriginal to Contemporary**
Contact department for information to register for this course.

ENGL369N **Special Topics in Study Abroad III; Literature and Culture_New Zealand**
Contact department for information to register for this course.

ENGL369Y **Special Topics in Study Abroad III; Australian Literature and Culture**
Contact department for information to register for this course.

ENGL479D **Selected Topics in English and American Literature after 1800; J.R.R. Tolkien: Middle Earth and Beyond**

ENGL479D Selected Topics in English and American Literature after 1800: J.R.R. Tolkien: Middle Earth and Beyond; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

WB11	Christopher Crane	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENME Engineering, Mechanical Winter 2015

ENME361 **Vibration, Controls and Optimization I**

ENME361 Vibration, Controls and Optimization I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Vincent Nguyen	Seats (Total: 42)
	MTuWThF 10:00am - 1:00pm	CSI 3120

ENME400 **Machine Design**

ENME400 Machine Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENME361 and ENME382. Restriction: Permission of ENGR-Mechanical Engineering department. Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.

0101	Thomas Beigel	Seats (Total: 40)
	MTuWThF 12:00pm - 3:00pm	EGR 3106

ENME414 **Computer-Aided Design**

ENME414 Computer-Aided Design; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH241; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENME 414 or ENME272.* Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project.

0101	Guangming Zhang MTuWThF 9:00am - 12:00pm	Seats (Total: 42) KEB 2111
0102	Guangming Zhang MTuWThF 12:00pm - 3:00pm	Seats (Total: 42) KEB 2111

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 Vibrations, Controls, and Optimization II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENME351 and ENME361. Formerly: ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Timothy Fitzgerald MTuWThF 9:00am - 12:00pm	Seats (Total: 35) EGR 2154

ENME488 **Special Problems**

ENME488 Special Problems; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME799 **Master's Thesis Research**

ENME799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**

Contact department for information to register for this course.

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Winter 2015

ENPM808 **Advanced Topics in Engineering**

ENPM808 Advanced Topics in Engineering; (1-3 credits) Grade Method: REG/AUD.

CP01	George Syrmos Contact instructor or department for details.	Seats (Total: 10)
EF01	Steven Gwynne **Meets December 1, 2014 - February 20, 2015** Contact instructor or department for details.	Seats (Total: 5)

ENRE Reliability Engineering Winter 2015

ENRE799 **Master's Thesis Research**
Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F.

0102	Mohammad Modarres Contact instructor or department for details.	Seats (Total: 10)

ENSE Systems Engineering Winter 2015

ENSE799 **Systems Engineering Thesis**

ENSE799 Systems Engineering Thesis; (1-6 credits) Grade Method: REG.

0102	John Baras	Seats (Total: 1)
	Contact instructor or department for details.	
0125	Gang Qu	Seats (Total: 10)
	Contact instructor or department for details.	

ENSP Environmental Science and Policy Winter 2015

ENSP386 **Internship**

ENSP386 Internship; (3-6 credits) Grade Method: REG.
Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.

I101	Bruce James	Seats (Total: 5)
	Contact instructor or department for details.	
I124	Andrew Baldwin	Seats (Total: 5)
	Contact instructor or department for details.	

EPIB Epidemiology and Biostatistics Winter 2015

EPIB785 **Internship in Public Health**

EPIB785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

I109	Brit Saksvig	Seats (Total: 10)
	Contact instructor or department for details.	

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

EPIB788 Critical Readings in Epidemiology and Biostatistics; (1-3 credits) Grade Method: REG/AUD.

0101	Robert Gold Contact instructor or department for details.	Seats (Total: 5)
0102	Dushanka Kleinman Contact instructor or department for details.	Seats (Total: 5)
0103	Sunmin Lee Contact instructor or department for details.	Seats (Total: 5)
0105	Hongjie Liu Contact instructor or department for details.	Seats (Total: 5)
0106	Shuo Chen Contact instructor or department for details.	Seats (Total: 5)
0108	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 5)
0109	Olivia Carter-Pokras Contact instructor or department for details.	Seats (Total: 5)
0120	Cher Dallal Contact instructor or department for details.	Seats (Total: 5)
0121	Xin He Contact instructor or department for details.	Seats (Total: 5)
0122	David Chae Contact instructor or department for details.	Seats (Total: 5)
0131	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0132	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0133	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0134	Donald Milton Contact instructor or department for details.	Seats (Total: 5)

0135	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0136	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

EPIB798 **Independent Study**

EPIB798 Independent Study; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

EPIB898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG.

0101	Robert Gold Contact instructor or department for details.	Seats (Total: 10)
0102	Dushanka Kleinman Contact instructor or department for details.	Seats (Total: 5)
0103	Sunmin Lee Contact instructor or department for details.	Seats (Total: 5)
0105	Hongjie Liu Contact instructor or department for details.	Seats (Total: 5)
0106	Shuo Chen Contact instructor or department for details.	Seats (Total: 5)
0108	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 5)

0109	Olivia Carter-Pokras Contact instructor or department for details.	Seats (Total: 5)
0120	Cher Dallal Contact instructor or department for details.	Seats (Total: 5)
0121	Xin He Contact instructor or department for details.	Seats (Total: 5)
0122	David Chae Contact instructor or department for details.	Seats (Total: 5)
0131	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0132	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0133	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0134	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0135	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0136	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

EPIB899 **Doctoral Dissertation Research**

EPIB899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F.

0101	Robert Gold Contact instructor or department for details.	Seats (Total: 5)
0102	Dushanka Kleinman Contact instructor or department for details.	Seats (Total: 5)
0103	Sunmin Lee Contact instructor or department for details.	Seats (Total: 5)

0105	Hongjie Liu Contact instructor or department for details.	Seats (Total: 5)
0106	Shuo Chen Contact instructor or department for details.	Seats (Total: 5)
0108	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 5)
0109	Olivia Carter-Pokras Contact instructor or department for details.	Seats (Total: 5)
0120	Cher Dallal Contact instructor or department for details.	Seats (Total: 5)
0121	Xin He Contact instructor or department for details.	Seats (Total: 5)
0122	David Chae Contact instructor or department for details.	Seats (Total: 5)
0131	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0132	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0133	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0134	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0135	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0136	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

FILM Film Studies Winter 2015

FILM359J **Special Topics in Genres/Auteurs/Cinema Movements; Transnational Perspectives on Chinese Action Cinema: Bruce Lee, John Woo, Jackie Chan, and Ang Lee**

FILM359J Special Topics in Genres/Auteurs/Cinema Movements: Transnational Perspectives on Chinese Action Cinema: Bruce Lee, John Woo, Jackie Chan, and Ang Lee; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as SLLC368J. Credit will be granted for FILM359J or SLLC 368J. Click here for more course information.

WB11	Jason Kuo	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

FMSC Family Science Winter 2015

FMSC111 **Credit Cards and College Students**

FMSC111 Credit Cards and College Students; (1 credit) Grade Method: REG/P-F/AUD.
Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC111, FMSC341 or FMSC498D. Formerly: FMSC498D. Provides college students with factual information about basic money management skills, emphasizing the responsible use of credit, specifically credit cards. Topics will include financial goals, spending plan, wise use of credit, debt management, consumer credit protection, and ID Theft. Online lessons will include video clips and interactive class activities. Students will learn the basics to build a strong financial future.

WB11	Jinhee Kim	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: FMSC260 or FMST260. Formerly: FMST260. Couple relationships and their alternatives in contemporary dating, courtship and marriage. For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Instructor: TBA	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Credit only granted for: FMSC330 or FMST330. Formerly: FMST330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Robyn Zeiger TuWTh 9:30am - 1:45pm	Seats (Total: 30) SPH 1301

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332. A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

WB11	Lauren Messina Class time/details on ELMs	Seats (Total: 35) ONLINE

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Credit only granted for: FMSC341 or FMST341. Formerly: FMST341. Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security. For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	William Knight Class time/details on ELMs	Seats (Total: 25) ONLINE
WB21	Katherine Speirs Class time/details on ELMs	Seats (Total: 35) ONLINE

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families. For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Amanda Berger	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

FMSC425 **Military and Veteran Family Services**

FMSC425 Military and Veteran Family Services; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC425 or FMSC498W. Formerly: FMSC498W. Overview of issues impacting contemporary military families including during times of war. Identification of challenges faced by military families related to deployment/reunion and mental and physical health, as well as support systems available. Examination of skills and strategies for working with service members, veterans, and military families.

WB11	Patricia Fanflik	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation. For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Christine Schull	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FMSC487 or FMST487. Formerly: FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life. For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Kerry Tripp	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

FMSC689 **Research Internship**

FMSC689 Research Internship; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC698P **Advanced Topics in Family Science; Play Therapy**

FMSC698P *(PermReq)* **Advanced Topics in Family Science: Play Therapy; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC698T **Advanced Topics in Family Science; Testing and Assessment in Couple and Family Therapy**

FMSC698T Advanced Topics in Family Science: Testing and Assessment in Couple and Family Therapy; (1-3 credits) Grade Method: REG/AUD.

0101	Elise Resnick	Seats (Total: 25)
	MTuTh 9:00am - 1:30pm	Location: TBA

FMSC698V **Advanced Topics in Family Science; Violence in Families**

FMSC698V Advanced Topics in Family Science: Violence in Families; (3 credits) Grade Method: REG/AUD.

WB11	Christine Schull	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

FMSC699 **Independent Study**

FMSC699 Independent Study; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research; Master Thesis Research**

FMSC799 Master's Thesis Research: Master Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG Geographical Sciences Winter 2015

GEOG110 **The World Today: Global Perspectives**

GEOG110 The World Today: Global Perspectives; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The most critical issue facing the world today is the sustainability of both human and physical systems in the 21st century. This class uses the context of regions of the world to explore the 21st century issues of climate change, development, politics, economy, and demography. Each region will be used to highlight aspects of sustainability.

WB11	Jennifer Hinojosa	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

GEOG130 **Developing Countries**

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0101	Ronald Luna	Seats (Total: 20)
	MTuWTh 9:00am - 12:30pm	LEF 1220

GEOG140 **Natural Disasters: Earthquakes, Floods, and Fires**

GEOG140 Natural Disasters: Earthquakes, Floods, and Fires; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Catastrophic Environmental Events (CCE) that are becoming more common in this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

0101	Quentin Stubbs	Seats (Total: 15)
	MTuWTh 1:30pm - 5:00pm	LEF 1201

GEOG202 **Introduction to Human Geography**

GEOG202 Introduction to Human Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Cultural Competency.
Introduction to what geographers do and how they do it. Systematic study of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"? This course will be taught online athttp://elms.umd.edu using Live Classroom software.

WB11	Talya Gulman	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. There is a $40.00 lab fee with this course. This course will be taught online at http://elms.umd.edu using Live Classroom software.

WB11	Instructor: TBA	Seats (Total: 30)
	MTuWTh 6:00pm - 9:30pm	ONLINE

GEOG328B **Topics in Regional Geography; Geography of the Southern Caribbean**
Contact department for information to register for this course.

GEOG330 **As the World Turns: Society and Sustainability in a Time of Great Change**

GEOG330 As the World Turns: Society and Sustainability in a Time of Great Change; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362.
Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.

WB11	Rachel Berndtson	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

GEOG340 **Geomorphology**

GEOG340 Geomorphology; (3 credits) Grade Method: REG/P-F/AUD.
Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0101	Keith Yearwood	Seats (Total: 20)
	MTuWTh 1:00pm - 4:30pm	LEF 1171

GEOG373 **Geographic Information Systems**

GEOG373 Geographic Information Systems; (3 credits) Grade Method: REG/P-F/AUD.
Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases. There is a $40.00 lab fee with this course. This course will be taught online athttp://elms.umd.edu using Live Classroom software.

0101	Rachel Marks MTuWTh 9:00am - 11:00am MTuWTh 11:00am - 1:00pm	Seats (Total: 45) LEF 1124 LEF 1136	 Lab
WB11	Michael Humber MTuWTh 6:00pm - 9:30pm	Seats (Total: 45) ONLINE	

GEOG376 **Introduction to Computer Programming for GIS**

GEOG376 Introduction to Computer Programming for GIS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in MATH220, MATH130, or MATH140. And GEOG373; or permission of BSOS-Geography department. Introduces conceptual and practical aspects of programming for geographic applications. The main focus is on developing a solid understanding of basic programming techniques irrespective of the specific programming language including variables, looping, conditional statements, nesting, math, strings, and other concepts. In addition, students will develop a proficiency in applying these basic programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS). Students must pay a $40.00 laboratory materials fee.

0101	Instructor: TBA MTuWTh 11:00am - 1:00pm MTuWTh 1:00pm - 3:00pm	Seats (Total: 20) LEF 1171 LEF 1136	 Lab

GEOG384 **Internship in Geography I**

GEOG384 Internship in Geography I; (3 credits) Grade Method: REG/P-F.
Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program. Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

I101	Ronald Luna Contact instructor or department for details.	Seats (Total: 10)

GEOG473 **Geographic Information Systems and Spatial Analysis**

GEOG473 Geographic Information Systems and Spatial Analysis; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306 and GEOG373; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG473 or GEOG482. Formerly: GEOG482. Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies. There is a $40.00 lab fee with this course. This course will be taught online at http://elms.umd.edu using Live Classroom software.

WB11	Naijun Zhou	Seats (Total: 30)
	MTuWTh 5:00pm - 8:30pm	ONLINE

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG652 **Digital Image Processing and Analysis**
Contact department for information to register for this course.

GEOG656 **Programming and Scripting for GIS**
Contact department for information to register for this course.

GEOG677 **Internet GIS**
Contact department for information to register for this course.

GEOG788G **Selected Topics in Geography; Advanced Remote Sensing using Lidar**
Contact department for information to register for this course.

GEOG789 **Independent Readings**
Contact department for information to register for this course.

GVPT Government and Politics Winter 2015

GVPT100 **Scope and Methods for Political Science Research**

GVPT100 Scope and Methods for Political Science Research; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.
An introduction to empirical research in political science.

WB11	Michael Parrott	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
A comprehensive study of national government in the United States.

WB11	Raymond Williams	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

GVPT200 **International Political Relations**

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies. *Prerequisite: GVPT100.* A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

WB11	Ping-Kuei Chen	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Restriction: Must be in Government & Politics program.* Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

WB11	James Glass	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

GVPT306 **Global Environmental Politics**

GVPT306 Global Environmental Politics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200.* Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

WB11	Carla Abdo	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

GVPT309D **Topics in International Relations; Drone, Data, and National Security in the 21st Century**

GVPT309D Topics in International Relations: Drone, Data, and National Security in the 21st Century; (3 credits) Grade Method: REG/P-F/AUD.

WB11	Mark Shirk	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

GVPT309F **Topics in International Relations; Chile: Chilean Literature, Democracy and Social Change**
Contact department for information to register for this course.

GVPT351 **Model United Nations**

GVPT351 Model United Nations; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Restriction: Must be in College Park Scholars program; and must be in GVPT International Studies program. Formerly: GVPT388S. Students are prepared for the model United Nations Conference held at Harvard University every February.

WB11	Joseph Braun, Felipe Westhelle	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

GVPT358K **Study Abroad Seminar in Political Science; From the Pampas to the Andes: Political Culture and Local Politics in Argentina**
Contact department for information to register for this course.

GVPT359N **Topics in Comparative Politics; Nationalism and Ethnic Conflict**

GVPT359N Topics in Comparative Politics: Nationalism and Ethnic Conflict; (3 credits) Grade Method: REG/P-F/AUD.

WB11	Allison Patch	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

GVPT388T **Topical Investigations; Germany in the New Europe: Politics, Business, and Culture**
Contact department for information to register for this course.

GVPT409J **Seminar in International Relations and World Politics; Multi-Track Diplomacy and Conflict Transformation**

GVPT409J Seminar in International Relations and World Politics: Multi-Track Diplomacy and Conflict Transformation; (3 credits) Grade Method: REG/P-F/AUD.
Course uses techniques of multi-track diplomacy to develop the knowledge and skills needed to facilitate transformation of interpersonal, organizational, community or complex societal conflicts, including ethnic, religious or cultural tensions. Click here for more course information.
Click here for steps to obtain permission to enroll for 6 Winter Term credits.

0101	John Davies, Edward Kaufman	Seats (Total: 30)
	MTuWTh 6:00pm - 9:15pm	TYD 1102
	Also meets Friday, 1-23-2015 from 6-9:15 p.m. Snow Day make-up: Jan. 24-25 if needed. GVPT409K is strongly recommended as a concurrent course.	

GVPT409K **Seminar in International Relations and World Politics; Workshop in Multi-Track Diplomacy**

GVPT409K Seminar in International Relations and World Politics: Workshop in Multi-Track Diplomacy; (3 credits) Grade Method: REG/P-F/AUD.
This workshop will use multi-track diplomacy to search for common ground in the current conflict in Israel-Palestine. A simulation engaging influential civil society representatives will be co-facilitated by workshop instructors. Click here for more course information.
Click here for steps to obtain permission to enroll for 6 Winter Term credits.

0101	Edward Kaufman, John Davies	Seats (Total: 30)
	F 6:00pm - 9:00pm	TYD 1101
	SaSu 9:00am - 1:00pm	TYD 1101
	SaSu 2:00pm - 6:00pm	TYD 1101
	Two consecutive weekend workshop sessions: January 9-11 and 16-18. Snow day makeup: January 24-25 if needed. GVPT409J is strongly recommend as a concurrent course.	

GVPT808J **Selected Topics in Functional Problems in International Relations; Multi-Track Diplomacy and Conflict Transformation**

GVPT808J Selected Topics in Functional Problems in International Relations: Multi-Track Diplomacy and Conflict Transformation; (3 credits) Grade Method: REG/AUD.

Course uses techniques of multi-track diplomacy to develop the knowledge and skills needed to facilitate transformation of interpersonal, organizational, community or complex societal conflicts, including ethnic, religious or cultural tensions. Click here for more course information.

Click here for steps to obtain permission to enroll for 6 Winter Term credits.

0101	Edward Kaufman, John Davies	Seats (Total: 30)
	MTuWTh 6:00pm - 9:15pm	TYD 1102
	Also meets Friday, 1-23-2015 from 6-9:15 p.m. Snow Day make-up: Jan. 24-25 if needed. GVPT808K is strongly recommended as a concurrent course.	

GVPT808K **Selected Topics in Functional Problems in International Relations; Workshop in Multi-Track Diplomacy**

GVPT808K Selected Topics in Functional Problems in International Relations: Workshop in Multi-Track Diplomacy; (3 credits) Grade Method: REG/AUD.

This workshop will use multi-track diplomacy to search for common ground in the current conflict in Israel-Palestine. A simulation engaging influential civil society representatives will be co-facilitated by workshop instructors. Click here for more course information.

Click here for steps to obtain permission to enroll for 6 Winter Term credits.

0101	John Davies, Edward Kaufman	Seats (Total: 30)
	F 6:00pm - 9:00pm	TYD 1101
	SaSu 9:00am - 1:00pm	TYD 1101
	SaSu 2:00pm - 6:00pm	TYD 1101
	Two consecutive weekend workshop sessions: January 9-11 and 16-18. Snow Day make-up: Jan. 24-25 if needed. GVPT808J is strongly recommended as a concurrent course.	

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP Hearing and Speech Sciences Winter 2015

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Restriction: Junior standing or higher; and permission of BSOS-Hearing Speech Sciences department.*

0116	Nan Ratner	Seats (Total: 10)
	Contact instructor or department for details.	

HESP499 **Independent Study**

HESP499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP638 **Research Practicum**

HESP638 Research Practicum; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP639 **Special Topics in Hearing and Speech Sciences; Medical Speech-Language Pathology: Tracheostomy & Ventilator Dependence and Head and Neck Cancer**

HESP639 Special Topics in Hearing and Speech Sciences: Medical Speech-Language Pathology: Tracheostomy & Ventilator Dependence and Head and Neck Cancer; (3 credits) Grade Method: REG/AUD.
This course will be held at Johns Hopkins Department of Otolaryngology - Head and Neck Surgery: Johns Hopkins Outpatient Center James and Cathy Justice Conference Center Room 6150, 6th floor 601 N. Caroline Street Baltimore, MD 21287

0101	Donna Tippett, Kimberly Webster **Meets January 5, 2015 - January 16, 2015** MTuWThF 4:00pm - 8:30pm	Seats (Total: 20) Location: TBA
	This section is co-taught by Donna Tippett and Kimberly Webster.	

HESP639F **Special Topics in Hearing and Speech Sciences; Communication and Autism Spectrum Disorder**

HESP639F Special Topics in Hearing and Speech Sciences: Communication and Autism Spectrum Disorder; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA MTuW 4:00pm - 7:30pm Th 5:00pm - 8:30pm	Seats (Total: 10) LEF 1221 LEF 1221

HESP639G **Special Topics in Hearing and Speech Sciences; Counseling in Communicative Disorder**

HESP639G Special Topics in Hearing and Speech Sciences: Counseling in Communicative Disorder; (3 credits) Grade Method: REG/AUD.

0101	Sharon Palmer, Paula Schauer, Lisa Rickard Contact instructor or department for details.	Seats (Total: 25)

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP708 **Independent Study**

HESP708 Independent Study; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP848A **Seminar in Audiology; Audiology Practice Management**

HESP848A Seminar in Audiology: Audiology Practice Management; (3 credits) Grade Method: REG/AUD.

0101	Samira Anderson	Seats (Total: 20)
	MTuWTh 1:00pm - 4:30pm	LEF 0135

HESP849 **Capstone Research Project I**

HESP849 Capstone Research Project I; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

HESP859 Capstone Research Project II; (1-2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST History Winter 2015

HIST137 **Pursuits of Happiness: Ordinary Lives in the American Revolution**

HIST137 Pursuits of Happiness: Ordinary Lives in the American Revolution; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: HIST289E or HIST137. Formerly: HIST289E. Investigates the search for personal fulfillment unleashed by the American Revolution; explores the many different meanings ascribed to the notion of the "pursuit of happiness" by Americans in the early national period.

WB11	Richard Bell	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST319M **Special Topics in History; Music, Movies, and Revolution: Latin America in the Twentieth Century**

HIST319M Special Topics in History: Music, Movies, and Revolution: Latin America in the Twentieth Century; (3 credits) Grade Method: REG/P-F/AUD.

WB11	Daniel Richter	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST319O **Special Topics in History; Making Don Draper's America:"The Long 1950s" in History and Popular Culture**

HIST319O Special Topics in History: Making Don Draper's America:"The Long 1950s" in History and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.

WB11	Christina Larocco	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST329K **Special Topics in History; History of Rock'n' Roll, 1950-2000**

HIST329K Special Topics in History: History of Rock'n' Roll, 1950-2000; (3 credits) Grade Method: REG/P-F/AUD.

WB11	Andrew Kellett	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST329N **Special Topics in History; Chile: Chilean Literature, Democracy and Social Change**
Contact department for information to register for this course.

HIST360 **Women and the Civil Rights Movement**

HIST360 Women and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Twentieth-century U.S. civil rights movement from the vantage point of women, considering both women's involvement in the legal campaigns and political protests and the impact of civil rights struggles on women's condition, status, and identity. Also offered as AASP498I and WMST498M. Credit will be granted for one of the following: AASP498I, HIST360 or WMST498M.

WB11	Elsa Barkley Brown	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST799 **Master's Thesis Research**
Contact department for information to register for this course.

HLTH Health Winter 2015

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

WB11	Tracy Zeeger	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

WB11	Sylvette La Touche-Howard	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

WB11	Robin Sawyer	Seats (Total: 140)
	Class time/details on ELMs	ONLINE

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Prerequisite: Permission of SPHL-Behavioral & Community Health department.
Restriction: Junior standing or higher.

0127	Cheryl Holt	Seats (Total: 1)
	Contact instructor or department for details.	

HLTH476 **Death Education**

HLTH476 Death Education; (3 credits) Grade Method: REG/P-F/AUD.
Examination of the genesis and development of present day death attitudes and behavior by use of a multidisciplinary life cycle approach.

WB11	Jennifer Hodgson	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1 credit)** Grade Method: REG/P-F/AUD.

0127	Cheryl Holt	Seats (Total: 1)
	Contact instructor or department for details.	

HLTH489I **Field Laboratory Projects and Workshop; East Meets West: Contrasting Public Health Priorities, Pragmatics and Polemics in the U.S. and India**

Contact department for information to register for this course.

HLTH498A **Special Topics in Health; Massage Therapy and Stress**

HLTH498A Special Topics in Health: Massage Therapy and Stress; (3 credits) Grade Method: REG/P-F/AUD.

0101	Geoffrey Gilbert	Seats (Total: 20)
	MWF 1:00pm - 5:10pm	SPH 0107

HLTH498T **Special Topics in Health; Medical Terminology**

HLTH498T Special Topics in Health: Medical Terminology; (3 credits) Grade Method: REG/P-F/AUD.

This on-line course is designated to improve medical terminology vocabul ary skills. Prepares students for advanced professional preparation cour ses by incorporating content taught in advanced medical and scientific c ourses. The syllabus and directions for starting the course will be emai led on January 5th at the latest.

WB11	Katherine Sharp	Seats (Total: 125)
	Class time/details on ELMs	ONLINE

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INAG Institute of Applied Agriculture Winter 2015

INAG110 **Oral Communication**

INAG110 Oral Communication; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285. A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0101	Nina Latassa	Seats (Total: 19)
	MTuWTh 12:00pm - 4:00pm	PLS 1146

INFM Information Management Winter 2015

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG.

0103	Brian Butler	Seats (Total: 4)
	Contact instructor or department for details.	
0106	Vedat Diker	Seats (Total: 3)
	Contact instructor or department for details.	
0147	Vera Rhoads	Seats (Total: 2)
	Contact instructor or department for details.	

JOUR Journalism Winter 2015

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies.
Additional information: Not applicable toward journalism major. An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller	Seats (Total: 18)
	MTuWTh 9:00am - 12:30pm	KNI 2105

JOUR479R **Investigative Journalism in Post-Soviet Europe**
Contact department for information to register for this course.

JOUR698 **Special Problems in Communication**

JOUR698 Special Problems in Communication; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698R **Special Problems in Communication; Investigative Journalism in Post-Soviet Europe**
Contact department for information to register for this course.

KNES Kinesiology Winter 2015

KNES131D **Physical Education Activities: Coed; Dance: Salsa (Beginning)**

KNES131D Physical Education Activities: Coed: Dance: Salsa (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0101	Barbara Bernstein	Seats (Total: 30)	
	MTuThF 2:00pm - 5:00pm	SPH 1301	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0101	Andrew Ginsberg	Seats (Total: 15)	
	MTuWThF 10:00am - 12:00pm	SPH 0103	Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0101	Andrew Ginsberg	Seats (Total: 15)	
	MTuWThF 10:00am - 12:00pm	SPH 0103	Lab

KNES161C **Physical Education Activities: Coed; Indoor Group Cycling (Intermediate)**

KNES161C Physical Education Activities: Coed: Indoor Group Cycling (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0101	Andrea Romeo	Seats (Total: 22)	
	MTuThF 10:00am - 12:15pm	COL SB0191	Lab

KNES161T **Physical Education Activities: Coed; Yoga (Beginning)**

KNES161T Physical Education Activities: Coed: Yoga (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0101	Carly Hunt	Seats (Total: 35)	
	MTuWThF 11:00am - 1:00pm	SPH 0107	Lab

KNES201 **Kinesiological Principles of Physical Activity**

KNES201 Kinesiological Principles of Physical Activity; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201. An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills.

WB11	Jo Zimmerman	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

KNES260 **Science of Physical Activity and Cardiovascular Health**

KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

WB11	James Hagberg	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

WB11	Adam Beissel, David Andrews	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement. All sessions are taught on-line.

WB11	Samuel Clevenger	Seats (Total: 90)
	Class time/details on ELMs	ONLINE

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

WB11	J Carson Smith	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Must be in a major within SPHL-Kinesiology department.* Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development. Non-KNES majors should contact Dr. Jennie Phillips (jenniep@umd.edu) to request permission.

WB11	Yue Du	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Must be in a major within SPHL-Kinesiology department.* Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback. Non-KNES majors should contact Dr. Jennie Phillips (jenniep@umd.edu) to request permission.

WB11	Tim Kiemel	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES389K **Topical Investigations; Kinesiology Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiology Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES389P **Topical Investigations; Strength and Conditioning of Athletes**

KNES389P Topical Investigations: Strength and Conditioning of Athletes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Dedicated to preparing students to teach and coach athletes in the area of strength and conditioning. In addition to addressing basic aspects of strength & conditioning, students learn basic biomechanics of movement, maximum strength development, sport-specific energy utilization, metabolic conditioning, athletic speed/agility/acceleration, explosive power enhancement, and the design of sport-specific training programs. Examples will be used to illustrate concepts that have the potential to impact all areas of kinesiology. The student will be instructed into how to teach any level athlete, youth to adult, individually or in large groups.

0101	Jo Zimmerman, John Philbin	Seats (Total: 35)
	MTuWThF 1:00pm - 4:00pm	SPH 1303

KNES462 **Neural Basis of Human Movement**

KNES462 Neural Basis of Human Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI202, KNES385, and BSCI201; or permission of SPHL-Kinesiology department. An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

WB11	Rodolphe Gentili	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES485 **Sport and Globalization**

KNES485 Sport and Globalization; (3 credits) Grade Method: REG/P-F/AUD.
GenEd: Diversity - Understanding Plural Societies.
Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES485 and KNES498T. Examination of sport culture from a global perspective; focuses on theorizing the similarities and differences between various national sporting cultures. All sessions are on-line.

WB11	Adam Beissel, David Andrews	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

KNES498 **Special Topics in Kinesiology**

KNES498 *(PermReq)* **Special Topics in Kinesiology; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES498E **Special Topics in Kinesiology; Coaching for Performance**

KNES498E Special Topics in Kinesiology: Coaching for Performance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. While focusing on individual sports of interest, students will learn pedagogically appropriate practices used to engage athletes physically, emotionally and cognitively, enhance the acquisition of skills, and develop technical and tactical knowledge that contribute to peak performance. Appropriate practice planning and game analysis will also be discussed.

WB11	Dena Deglau	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES498Q **Special Topics in Kinesiology; Quantitative Methods in Cognitive Motor Behavior**

KNES498Q Special Topics in Kinesiology: Quantitative Methods in Cognitive Motor Behavior; (3 credits) Grade Method: REG/P-F/AUD.

0101	Farzad Ehtemam, Hyuk Oh	Seats (Total: 10)
	MTuWThF 9:00am - 12:00pm	SPH 0223

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689R **Special Problems in Kinesiology; Quantitative Methods in Cognitive Motor Behavior**

KNES689R Special Problems in Kinesiology: Quantitative Methods in Cognitive Motor Behavior; (3 credits) Grade Method: REG/AUD.
Students will learn Matlab programming and data analysis skills within the context of cognitive motor behavior research data.

0101	Stephen Roth	Seats (Total: 15)
	MTuWThF 9:00am - 12:00pm	SPH 0223

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Winter 2015

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

WB11	Kelly Cook	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LARC489N **Special Topics in Landscape Architecture; Culture and Earth: Transformation and Adaptation-New Zealand**

Contact department for information to register for this course.

LARC489O **Special Topics in Landscape Architecture; Computer-Aided Design and Drafting (CADD): Urban Construction**

LARC489O Special Topics in Landscape Architecture: Computer-Aided Design and Drafting (CADD): Urban Construction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101 or PHYS 161; or permission of instructor.

0101	Robert Tjaden	Seats (Total: 20)
	MTuWTh 5:00pm - 8:30pm	PLS 2137

LARC489W **Special Topics in Landscape Architecture; Constructed Wetlands and Related Stormwater Technologies**

LARC489W Special Topics in Landscape Architecture: Constructed Wetlands and Related Stormwater Technologies; (3 credits) Grade Method: REG/P-F/AUD. Covers wetland and stream restoration techniques, site-scale hydrologic modeling, GIS data processing, estimated reductions of contamination from urban runoff and applications for design. Learn the basic functions and values, how to evaluate urban land use in terms of expected storm water quality output, estimating storm water discharge volume, identifying suitable materials for design implementation including plant materials, and design of a constructed wetland or stream restoration.

0101	Christopher Ellis	Seats (Total: 20)
	MTuWTh 9:00am - 12:30pm	PLS 2137

LARC499 **Independent Studies in Landscape Architecture; Independent Studies in Landscape Architecture**

LARC499 Independent Studies in Landscape Architecture: Independent Studies in Landscape Architecture; (1-4 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC689F **Special Topics in Landscape Architecture; Sustainable Urbanism in Frederick, MD**

LARC689F Special Topics in Landscape Architecture: Sustainable Urbanism in Frederick, MD; (2 credits) Grade Method: REG/P-F/AUD.
Students will be introduced to basic concepts in land use planning, zoning requirements, historic preservation, ecological urbanism and smart growth. Frederick's North East Street Corridor will be the focus of a master plan study that will address transportation issues, economic advancement, and ecological responsibility. Students will collect and synthesize site data, explore options for future development, and record the study in a summary report. Two all-day field trips, one of which will include an overnight stay, are required. Travel and accommodations will be funded by PALS (Partnership for Action Learning in Sustainability) and the National Center for Smart Growth.

0101	Jack Sullivan	Seats (Total: 10)	
	TuWTh 10:00am - 11:30am	PLS 0104	
	TuWTh 12:30pm - 3:00pm	PLS 2137	Lab
	TuWTh 11:30am - 12:30pm	PLS 0104	Discussion

LARC699 **Independent Studies in Landscape and Architecture**

LARC699 Independent Studies in Landscape and Architecture; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC Library Science Winter 2015

LBSC709 **Independent Study; Independent Study**

LBSC709 Independent Study: Independent Study; (1-3 credits) Grade Method: REG/AUD.

0131	Mary Choquette	Seats (Total: 3)
	Contact instructor or department for details.	

LING Linguistics Winter 2015

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HESP120 or LING200. Additional information: Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Michael Fetters	Seats (Total: 20)
	MTuWThF 9:00am - 12:00pm	TLF 1101

LING499 **Directed Studies in Linguistics**

LING499 Directed Studies in Linguistics; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING698 **Directed Study**

LING698 Directed Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING798 **Research Papers in Linguistics**

LING798 Research Papers in Linguistics; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences — Winter 2015

MEES698F **Special Topics in Marine-Estuarine-Environmental Sciences; Introduction to R**

MEES698F Special Topics in Marine-Estuarine-Environmental Sciences: Introduction to R; (1 credit) Grade Method: REG/AUD.
Taught at the Chesapeake Bay Laboratory and on the Interactive Video Network. Students are introduced to using the open source statistical program R. It will cover getting data into R, managing, selecting and transforming data in R and cover some simple statistical analysis.

0101	Instructor: TBA	Seats (Total: 15)
	Meets January 5, 2015 - January 16, 2015	
	MTuWThF 9:00am - 9:50am	Location: TBA

MEES698P **Special Topics in Marine-Estuarine-Environmental Sciences; Phytoplankton Physiological Ecology**

MEES698P Special Topics in Marine-Estuarine-Environmental Sciences: Phytoplankton Physiological Ecology; (3 credits) Grade Method: REG.
Taught at Horn Point Lab.

0101	Patricia Glibert	Seats (Total: 20)
	Meets January 5, 2015 - January 16, 2015	
	MTuWThF 9:00am - 5:00pm	Location: TBA

MIEH Maryland Institute for Applied Environmental Health — Winter 2015

MIEH609 **Methods in Toxicology**

MIEH609 Methods in Toxicology; (1-3 credits) Grade Method: REG/AUD.

0101	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)
0107	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0108	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

MIEH785 **Internship in Public Health**

MIEH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.
Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

MIEH786 **Captsone Project in Public Health**

MIEH786 *(PermReq)* **Captsone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.
Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

MIEH788 **Critical Readings in Environmental Health**

MIEH788 *(PermReq)* **Critical Readings in Environmental Health; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

MIEH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

MIEH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG.

0101	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)

0103	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

MIEH899 **Doctoral Dissertation Research**

MIEH899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG/S-F.

0101	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

MUSC School of Music Winter 2015

MUSC388 **Music Internship**

MUSC388 *(PermReq)* **Music Internship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 Doctoral Dissertation Research; (1-8 credits) Grade Method: REG.

0159	Rita Sloan	Seats (Total: 5)
	Contact instructor or department for details.	

NACS Neuroscience & Cognitive Science Winter 2015

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F.

0112	Matthew Roesch	Seats (Total: 2)
	Contact instructor or department for details.	

NFSC Nutrition and Food Science Winter 2015

NFSC100 **Elements of Nutrition**

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences. Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Saira Khan	Seats (Total: 25)	
	MTuWThF 10:00am - 12:00pm	SKN 0101	
	MTuWThF 12:00pm - 1:00pm	SKN 0101	Discussion

NFSC386 **Experiential Learning**

NFSC386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Permission of AGNR-Nutrition and Food Science department. Restriction: Junior standing or higher. Formerly: FDSC386 and NUTR386.*

Contact department for information to register for this course.

NFSC498 **Selected Topics**

NFSC498 Selected Topics; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 Problems in Nutrition and Food Science; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL Philosophy Winter 2015

PHIL140 **Contemporary Moral Issues**

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice. This course will meet entirely online. Students should contact the instructor at rogilvie@umd.edu. Click here for more course information.

WB11	Ryan Ogilvie	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

PHIL170 **Introduction to Logic**

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns. Section will meet entirely online. Students should contact the instructor at alexeyaliyev@gmail.com. Click here for more course information.

WB11	Alexey Aliev	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

PHIL324 **Existentialism**

PHIL324 Existentialism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in PHIL courses. A study of authors such as Kierkegaard, Nietzsche, Heidegger, Sarte, and Camus on issues of human morality, freedom, and suffering.

WB11	Christopher Vogel	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PSYC Psychology Winter 2015

PSYC111 **The Psychology of Unethical Conduct**

PSYC111 The Psychology of Unethical Conduct; (1 credit) Grade Method: REG.
Additional information: Online and self-paced course open to all majors. An exploration of the University of Maryland's 10 Principles of Ethical and Responsible Conduct (http://www.responsibleconduct.umd.edu) and the reasons why unethical conduct might occur. Covers a broad range of psychological theories and research with the focus on applying the science for a more ethical life, campus and community. Click here for more course information.

WB11	Scott Roberts	Seats (Total: 36)
	Class time/details on ELMs	ONLINE

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: PSYC100; and 1 course with a minimum grade of C- from (MATH220, STAT100, MATH111, MATH130, MATH140). Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. A basic introduction to quantitative methods used in psychological research.

WB11	Tracy Tomlinson	Seats (Total: 48)
	Class time/details on ELMs	ONLINE

PSYC289E **Psychology of Evil**

PSYC289E Psychology of Evil; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Why is there evil in the world? Are some born evil, or do social, environmental and cultural forces create evil? What makes otherwise good people do evil things? The scientific study of evil epitomizes the fundamental challenge that psychology faces in dissecting the role of biology (nature) and the social context (nurture). Click here for more course information.

0101	Scott Roberts	Seats (Total: 40)
	MTuWThF 1:00pm - 4:00pm	BPS 1236

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce).

WB11	Instructor: TBA	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

PSYC437 **The Assessment and Treatment of Addictive Behaviors**

PSYC437 The Assessment and Treatment of Addictive Behaviors; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and 9 credits in PSYC courses. Credit only granted for: PSYC309E (taken in the Winter Term) or PSCY437. Formerly: PSYC309E. Explores the current research in assessment and treatment of addictive behaviors. Topics may include addictions in the areas of alcohol, drugs, nicotine, gambling, and eating.

0101	Carl Lejuez	Seats (Total: 25)
	MTuWTh 1:00pm - 4:20pm	BPS 1232

PSYC438I **Special Topics in Study Abroad IV; India: Risk and Resilience in the Face of Poverty**
Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 Special Research Problems in Psychology; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC489J **Advanced Special Topics in Psychology; Advanced Statistics in Psychology**

PSYC489J Advanced Special Topics in Psychology: Advanced Statistics in Psychology; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeffrey Chrabaszcz	Seats (Total: 20)
	MTuWThF 9:30am - 12:30pm	BPS 1238

PSYC624 **Adult Psychopathology**

PSYC624 Adult Psychopathology; (3 credits) Grade Method: REG.
Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Credit only granted for: PSYC624 or PSYC719. Formerly: PSYC719. Examines the scientific and clinical literature relevant to normal and pathological behavior in adults and associated nosological systems for categorizing psychopathology. Issues relevant to etiology, differential diagnosis, and treatment planning are also considered.

PCC1	Aditi Vijay	Seats (Total: 40)
	Meets December 1, 2014 - February 20, 2015	
	Tu 6:00pm - 9:45pm	BPS 0283
	Restricted to the Clinical Psychological Science Program.	

PSYC625 **Clinical Assessment: Psychometric Principles, Testing and Behavior**

PSYC625 Clinical Assessment: Psychometric Principles, Testing and Behavior; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of BSOS-Psychology department. Credit only granted for: PSYC625 or PSYC721. Formerly: PSYC721. An examination of fundamental principles of psychological assessment; application of these principles to the development of evidence-based assessments of clinical conditions and associated behaviors; and application of evidence-based assessments to the evaluation and understanding of clinical conditions evaluated and treated in therapeutic settings.

PCC1	Julia Felton	Seats (Total: 40)
	Meets December 1, 2014 - February 20, 2015	
	Th 6:00pm - 9:45pm	BPS 0283
	Restricted to the Clinical Psychological Science Program.	

PSYC638 **Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.

0101	Karen O'Brien	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC664 **Understanding Trauma and Recovery II**

PSYC664 Understanding Trauma and Recovery II; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC662. Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor. This is the second in a series of two courses designed to provide students with an understanding of psychological trauma and treatment of trauma survivors. Current approaches to understanding and treating trauma survivors from psychological, developmental, neurobiological, cognitive, and ecological perspectives will be presented.

PLV1	Beth Richie	Seats (Total: 20)
	Meets December 1, 2014 - February 20, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the VTT Program.	

PSYC789G **Special Research Problems; Graduate Student Grant Writing in the Social Sciences**

PSYC789G Special Research Problems: Graduate Student Grant Writing in the Social Sciences; (1 credit) Grade Method: REG/AUD.

0101	Carl Lejuez	Seats (Total: 20)
	Meets January 12, 2015 - January 15, 2015	
	MTuWTh 9:30am - 12:50pm	COL 0124B

PSYC798W **Graduate Seminar; R Programming for the Behavioral Sciences**

PSYC798W Graduate Seminar: R Programming for the Behavioral Sciences; (2 credits) Grade Method: REG/AUD.

0101	Scott Jackson	Seats (Total: 40)
	Meets January 5, 2015 - January 16, 2015	
	MTuWThF 9:00am - 12:00pm	BPS 1236

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF Public Policy Winter 2015

PUAF359T **Contemporary Issues in Political Leadership and Participation; Public Leadership in Non-U.S. Cultures**

Contact department for information to register for this course.

PUAF388J **Special Topics in Public Policy; Engaging and Exploring the Complexities of Global Philanthropy and Nonprofit Leadership_ Israel and Jordan**

Contact department for information to register for this course.

PUAF388K **Special Topics in Public Policy; India: Education and Project Engagement with NGOs and Social Enterprises**

Contact department for information to register for this course.

PUAF688I **Topics in Public Policy; Engaging and Exploring the Complexities of Global Philanthropy and Nonprofit Leadership**

Contact department for information to register for this course.

PUAF688J **Topics in Public Policy; Engaging and Exploring the Complexities of Global Philanthropy and Nonprofit Leadership_ Israel and Jordan**

Contact department for information to register for this course.

PUAF688L **Topics in Public Policy; International Development Monitoring**

PUAF688L Topics in Public Policy: International Development Monitoring; (3 credits) Grade Method: REG/AUD.
Must be in a major in PUAF-School of Public Policy; or permission of instructor.
Course meets in the following dates: January 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 21 and 22.

0101	Instructor: TBA	Seats (Total: 20)
	MTuWThF 9:00am - 1:00pm	VMH 1207

PUAF688N **Topics in Public Policy; Development Diplomacy and Leadership**

PUAF688N Topics in Public Policy: Development Diplomacy and Leadership; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 20)
	MTuWThF 11:00am - 4:00pm	VMH 1101
	Meets 11:00am-4:00pm on January 5, 7, 9, 12, 14, 15, 16, 20, 21, 23. PUAF major or permission of instructor.	

PUAF689I **Public Policy Topics; Social-Ecological Systems, Environmental Policy, and Sustainable Development in Indonesia**

Contact department for information to register for this course.

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

PUAF752 Managing Differences:Resolving Conflict and Negotiating Agreements; (3 credits) Grade Method: REG/AUD.

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

0101	Charles Field	Seats (Total: 20)
	MW 9:00am - 5:00pm	VMH 1107
	Meets from 9:00am-5:00 pm on January 5, 7, 12, 14, and 21.	

PUAF790 **Project Course**

Contact department for information to register for this course.

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798I **Readings in Public Policy; India: Education and Project Engagement with NGOs and Social Enterprises**

Contact department for information to register for this course.

PUAF798T **Readings in Public Policy; Public Leadership in Non-U.S. Cultures**

Contact department for information to register for this course.

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-6 credits) Grade Method: REG/S-F.

0131	Nathan Hultman	Seats (Total: 5)
	Contact instructor or department for details.	

PUAF899 **Doctoral Dissertation Research**

PUAF899 Doctoral Dissertation Research; (1-6 credits) Grade Method: REG.

0131	Nathan Hultman	Seats (Total: 5)
	Contact instructor or department for details.	

RDEV Real Estate Development Winter 2015

RDEV688E **Selected Topics in Real Estate Development; Resolving Conflict and Negotiating Agreements**

RDEV688E *(PermReq)* **Selected Topics in Real Estate Development: Resolving Conflict and Negotiating Agreements; (3 credits)** Grade Method: REG/AUD.

0101	Ronald McDonald	Seats (Total: 30)
	MWF 6:30pm - 10:00pm	ARC 1101
	Su 12:00pm - 6:00pm	ARC 1101
	The meetings on Monday, Wednesday, and Friday begin meeting on Wednesday, January 2nd. The meetings on Sunday meet on January 6th and 13th. The meeting on Saturday only meets on January 19th.	

RDEV689L **Current Topics in Real Estate Development; Risk Management for Real Estate Developers**

RDEV689L *(PermReq)* **Current Topics in Real Estate Development: Risk Management for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.

0101	Robert Wertheimer	Seats (Total: 15)
	MWTh 6:30pm - 9:30pm	ARC 1103
	Sa 1:00pm - 5:00pm	ARC 1103

SLLC School of Languages, Literatures and Cultures — Winter 2015

SLLC368J **Special Topics in Film Studies I; Transnational Perspectives on Chinese Action Cinema: Bruce Lee, John Woo, Jackie Chan, and Ang Lee**

SLLC368J Special Topics in Film Studies I: Transnational Perspectives on Chinese Action Cinema: Bruce Lee, John Woo, Jackie Chan, and Ang Lee; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as SLLC368J. Credit will be granted for FILM359J or SLLC 368J.

WB11	Jason Kuo	Seats (Total: 30)
	Class time/details on ELMs	ONLINE
	Also offered as FILM359J. Credit granted for FILM359J or SLLC368J.	

SOCY Sociology — Winter 2015

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

WB11	Lester Andrist	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: 3 credits in SOCY courses. Also offered as: WMST325. Credit only granted for: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

WB11	Crosby Hipes	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

SOCY443 **The Family and Society**

SOCY443 The Family and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

WB11	Kathleen Denny	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

SOCY699I **Special Social Problems; Statistical Techniques**

SOCY699I Special Social Problems: Statistical Techniques; (3 credits) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 20)
	MTuWTh 9:30am - 1:30pm	ASY 2115

SPAN Spanish Winter 2015

SPAN103 **Intensive Elementary Spanish**

SPAN103 Intensive Elementary Spanish; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103. Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0102	D'Juan Lyons MTuWThF 1:00pm - 4:30pm	Seats (Total: 25) JMZ 2123

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**
Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**
Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Daybert Linares MTuWThF 9:00am - 12:30pm	Seats (Total: 25) JMZ 2123
0102	Maria Gomez-Martin MTuWThF 1:00pm - 4:30pm	Seats (Total: 25) JMZ 2207
0103	Sebastian Bartis MTuWThF 1:00pm - 4:30pm	Seats (Total: 25) JMZ 0205

SPAN204 **Spanish Grammar Review**
Contact department for information to register for this course.

SPAN225 **Cultures of the Contact Zones - Seville, Al-Andalus and the Atlantic World**
Contact department for information to register for this course.

SPAN269I **Special Topics in Study Abroad II; Intermediate Spanish I**
Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**
Contact department for information to register for this course.

SPAN302 **Advanced Grammar and Composition II**
Contact department for information to register for this course.

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits)
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: SPAN207; or permission of instructor. Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Fabian Faccio	Seats (Total: 20)
	MTuWTh 1:00pm - 4:30pm	JMZ 3120

SPAN369O **Special Topics in Study Abroad III; Spanish Conversation & Oral Skills**
Contact department for information to register for this course.

SPAN369W **Special Topics in Study Abroad III; Spanish Stylistics: Advanced Spanish Writing and Stylistics**
Contact department for information to register for this course.

SPAN399C **Independent Study in Spanish; Spanish Culture in the Convivencia Period**
Contact department for information to register for this course.

SPAN401 **Advanced Composition I**
Contact department for information to register for this course.

SPAN402 **Advanced Composition II**
Contact department for information to register for this course.

SPAN448E **Special Topics in Latin American Civilization; Ecuador: Andean Spaces-Traversing the Colonial City and the Natural World**
Contact department for information to register for this course.

SURV Survey Methodology Winter 2015

SURV400 **Fundamentals of Survey Methodology**

SURV400 Fundamentals of Survey Methodology; (3 credits) Grade Method: REG. *Prerequisite: STAT100; or permission of BSOS-Joint Program in Survey Methodology department. Credit only granted for: SURV699M or SURV400. Formerly: SURV699M.* Introduces the student to a set of principles of survey design that are the basis of standard practices in the field. The course exposes the student to both observational and experimental methods to test key hypotheses about the nature of human behavior that affect the quality of survey data. It will also present important statistical concepts and techniques in simple design, execution, and estimation, as well as models of behavior describing errors in responding to survey questions. Not acceptable to graduate degrees in Survey Methodology (SURV). Students must have access to a standalone web camera and a headset to participate in the weekly online meetings.

WB11	Instructor: TBA **Meets December 1, 2014 - February 28, 2015** F 12:00pm - 12:50pm	Seats (Total: 5) ONLINE

SURV630 **Questionnaire Design and Evaluation**

SURV630 Questionnaire Design and Evaluation; (3 credits) Grade Method: REG/AUD.
Credit only granted for: SURV430 and SURV630. The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings.

WB11	Instructor: TBA **Meets December 1, 2014 - February 28, 2015** M 12:00pm - 12:50pm	Seats (Total: 5) ONLINE

TDPS Theatre, Dance and Performance Studies Winter 2015

TDPS458C **Special Topics in Advanced Performing Arts; Center for Creative Collaboration**

TDPS458C *(PermReq)* **Special Topics in Advanced Performing Arts: Center for Creative Collaboration; (3 credits)** Grade Method: REG/P-F/AUD.
The Center for Creative Collaboration is an intensive laboratory focusing on the devising and development of brand new works of theatre and dance. For enrollment and scholarship information please email Susan Miller at smille13@umd.edu.

0101	Jared Mezzocchi	Seats (Total: 10)	
	MTuWTh 12:00pm - 4:00pm	PAC 2740	Lab
0102	Mitchell Hebert	Seats (Total: 10)	
	MTuWTh 12:00pm - 4:00pm	PAC 2755	Lab
0103	Jennifer Barclay Newsham	Seats (Total: 10)	
	MTuWTh 12:00pm - 4:00pm	PAC 3736	Lab
0104	Sara Pearson	Seats (Total: 10)	
	MTuWTh 12:00pm - 4:00pm	PAC 3732	Lab
0106	James Ball	Seats (Total: 10)	
	MTuWTh 12:00pm - 4:00pm	PAC 1908	Lab

THET Theatre Winter 2015

THET669 **Independent Study; Independent Study**

THET669 *(PermReq)* **Independent Study: Independent Study; (1-3 credits)** Grade Method: REG/AUD.

0102	Helen Huang	Seats (Total: 5)
	Contact instructor or department for details.	

THET788 **Master's Tutorial**

THET788 Master's Tutorial; (1-6 credits) Grade Method: REG/AUD.

0101	Helen Huang	Seats (Total: 3)
	Contact instructor or department for details.	

THET789 **Master's Practicum**

THET789 Master's Practicum; (1-6 credits) Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 3)

UNIV University Courses Winter 2015

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F. Restriction: Must have earned a minimum cumulative GPA of 2.0 (undergraduates) or 3.0 (graduate students); and Permission of the Career Center; and permission of instructor. Click here for more information.

I101	Caitlin Rizzo Contact instructor or department for details.	Seats (Total: 10)

URSP Urban Studies and Planning Winter 2015

URSP688K **Recent Developments in Urban Studies; Urban Design Software**

URSP688K *(PermReq)* **Recent Developments in Urban Studies: Urban Design Software; (3 credits)** Grade Method: REG/AUD.

HY01	Jonathan Healey MTuWTh 7:00pm - 10:00pm Class time/details on ELMs	Seats (Total: 20) ARC 0111 ONLINE

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 Independent Study in Urban Studies and Planning; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WINT Winterterm Workshops Winter 2015

WINT002 **Multi-Track Diplomacy and Conflict Transformation**

WINT002 Multi-Track Diplomacy and Conflict Transformation; (No CEU'S) Grade Method: NGI.
This non-credit workshop will use techniques of multi-track diplomacy to develop the knowledge and skills needed to facilitate transformation of interpersonal, organizational, community or complex societal conflicts, including ethnic, religious or cultural tensions. Click here for more course information.

0101	Edward Kaufman	Seats (Total: 30)
	MTuWTh 6:00pm - 9:15pm	TYD 1102
	Also meets Friday, 1/23/15 from 6pm-9:15pm. Snow day makeup: Jan. 24-25 if needed. WINT003 is strongly recommended as a concurrent class.	

WINT003 **Workshop In Multi-Track Diplomacy**

WINT003 Workshop In Multi-Track Diplomacy; (No CEU'S) Grade Method: NGI.
This non-credit workshop will use multi-track diplomacy to search for common ground in the current conflict in Israel-Palestine. A simulation, engaging influential Jewish, Muslim, and Christian civil society representatives, will be co-facilitated by workshop instructors. Click here for more course information.

0101	Edward Kaufman	Seats (Total: 30)
	F 6:00pm - 9:00pm	TYD 1101
	SaSu 9:00am - 1:00pm	TYD 1101
	SaSu 2:00pm - 6:00pm	TYD 1101
	Two consecutive weekend workshop sessions: January 9-11 and 16-18. Snow Day make-up: Jan. 24-25 if needed. WINT002 is strongly recommended as concurrent class.	

WINT012 **Winterterm Study Skills Program**

WINT012 Winterterm Study Skills Program; (No CEU'S) Grade Method: NGI.
Designed to help students "bounce back" from academic difficulties. Recommended for those on probation or facing dismissal. Students identify the causes of poor academic performance and develop strategies to be successful. Class meets for one week: Jan 6-10. Also offered as EDCP108B. For more information, click here.

0101	Beverly Greenfeig	Seats (Total: 50)
	Meets January 7, 2015 - January 13, 2015	
	MTuWThF 9:30am - 12:30pm	SHM 2102

WMST Women's Studies Winter 2015

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

WB11	Renina Jarmon	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

WMST298D **Women's Bodies in Contention**

WMST298D Women's Bodies in Contention; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

WB11	Cristina Perez	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

WMST326 **Biology of Reproduction**

WMST326 Biology of Reproduction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI105; or permission of ARHU-Women's Studies department. Also offered as: BSCI342. Credit only granted for: BSCI342 or WMST326.* The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior and menopause.

0101	Justicia Opoku-Edusei	Seats (Total: 75)
	MTuWThF 10:00am - 1:00pm	BPS 1243

WMST469T **Study Abroad Special Topics IV; Gender, Sexuality and Globalization: Transnational Feminisms and the Anglophone Caribbean**

Contact department for information to register for this course.

WMST498M **Advanced Special Topics in Women's Studies; Women and the Civil Rights Movement**

WMST498M Advanced Special Topics in Women's Studies: Women and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP498I and HIST360. Credit will be granted for one of the following: AASP498I, HIST360 or WMST498M.

WB11	Elsa Barkley Brown	Seats (Total: 40)
	Class time/details on ELMs	ONLINE